

=> d his nofile

(FILE 'REGISTRY' ENTERED AT 11:33:21 ON 05 AUG 2008)

DEL HIS Y
ACT ASCORBIC/A

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L1 (      1)SEA ABB=ON  PLU=ON  129499-78-1
L2 (      1)SEA ABB=ON  PLU=ON  50-81-7
L3      2 SEA ABB=ON  PLU=ON  L2 OR L1

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ACT ADENOSINE/A

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L4 (     10)SEA ABB=ON  PLU=ON  (119588-63-5/BI OR 129499-78-1/BI OR
      130-49-4/BI OR 183476-82-6/BI OR 27556-18-9/BI OR 4578-31-8/BI
      OR 50-81-7/BI OR 60-92-4/BI OR 61-19-8/BI OR 84-21-9/BI)
L5      5 SEA ABB=ON  PLU=ON  L4 AND ADENOSIN?

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ACT KAROL/A

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L6      31 SEA ABB=ON  PLU=ON  129499-78-1/CRN
L7     1114 SEA ABB=ON  PLU=ON  50-81-7/CRN
L8      877 SEA ABB=ON  PLU=ON  61-19-8/CRN
L9     1145 SEA ABB=ON  PLU=ON  L6 OR L7
L10      0 SEA ABB=ON  PLU=ON  L9 AND L8

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FILE 'CAPLUS' ENTERED AT 11:49:46 ON 05 AUG 2008

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L11     90812 SEA ABB=ON  PLU=ON  L3
L12     81158 SEA ABB=ON  PLU=ON  L5
L13     100092 SEA ABB=ON  PLU=ON  L11 OR ASCORBIC/OBI OR ASCORBATE/OBI
L14     114137 SEA ABB=ON  PLU=ON  L12 OR (ADENOSINE (3W) ?PHOSPHA?)/BI
L15      653 SEA ABB=ON  PLU=ON  L13 AND L14
L16     101523 SEA ABB=ON  PLU=ON  L13 OR VITAMIN C/OBI
L17      657 SEA ABB=ON  PLU=ON  L16 AND L14
L18      73 SEA ABB=ON  PLU=ON  L17 AND 62/SC, SX
L19     4760 SEA ABB=ON  PLU=ON  ANTIAG?/OBI
L20     4057 SEA ABB=ON  PLU=ON  LIGHTEN?/OBI
L21      45 SEA ABB=ON  PLU=ON  L17 AND COSMETI?/OBI
L22      76 SEA ABB=ON  PLU=ON  L21 OR L18
L23      14 SEA ABB=ON  PLU=ON  L22 AND L19
L24      13 SEA ABB=ON  PLU=ON  L22 AND L20
L25      19 SEA ABB=ON  PLU=ON  L23 OR L24
      D SCAN TI
L26     852 SEA ABB=ON  PLU=ON  ANTI AG###/OBI
L27      4 SEA ABB=ON  PLU=ON  L26 AND L22
L28      19 SEA ABB=ON  PLU=ON  L27 OR L25
L29     5114 SEA ABB=ON  PLU=ON  ADENYLIC ACID#/OBI
L30     115106 SEA ABB=ON  PLU=ON  L14 OR L29
L31      659 SEA ABB=ON  PLU=ON  L30 AND L13
L32     663 SEA ABB=ON  PLU=ON  L17 OR L31
L33      14 SEA ABB=ON  PLU=ON  L32 AND (L26 OR L19)
L34      13 SEA ABB=ON  PLU=ON  L32 AND L20
L35      19 SEA ABB=ON  PLU=ON  L33 OR L34 OR L28

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FILE 'REGISTRY' ENTERED AT 11:57:21 ON 05 AUG 2008

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L36      9 SEA ABB=ON  PLU=ON  L9 AND (ADENOSI? OR ADENYLIC)
L37     5253 SEA ABB=ON  PLU=ON  (L9 OR ASCORB? OR VITAMIN C)
L38     95069 SEA ABB=ON  PLU=ON  L18 OR (ADENOSIN? OR ADENYLIC?)
L39     13 SEA ABB=ON  PLU=ON  L37 AND L38

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Jody Karol 10/523,605

L40 13 SEA ABB=ON PLU=ON L36 OR L39

FILE 'CAPLUS' ENTERED AT 12:00:02 ON 05 AUG 2008

L41 8 SEA ABB=ON PLU=ON L40

L42 0 SEA ABB=ON PLU=ON L41 AND (L26 OR (L19 OR L20))

L43 1 SEA ABB=ON PLU=ON L41 AND SKIN?/OBI

FILE 'CAPLUS' ENTERED AT 12:03:40 ON 05 AUG 2008

L44 642 SEA ABB=ON PLU=ON WAKAMATSU K?/AU

L45 10 SEA ABB=ON PLU=ON HARANO F?/AU

L46 122 SEA ABB=ON PLU=ON KOBA T?/AU

L47 735 SEA ABB=ON PLU=ON SHINOHARA S?/AU

L48 1500 SEA ABB=ON PLU=ON (L44 OR L45 OR L46 OR L47)

L49 10 SEA ABB=ON PLU=ON L48 AND (L26 OR (L19 OR L20))

L50 22 SEA ABB=ON PLU=ON L48 AND (L11 OR L12)

L51 2 SEA ABB=ON PLU=ON L48 AND (L11 AND L12)

L52 11 SEA ABB=ON PLU=ON L51 OR L49

L53 10 SEA ABB=ON PLU=ON L52 NOT (L35 OR L43)

FILE 'KOSMET' ENTERED AT 13:05:58 ON 05 AUG 2008

L54 42 SEA ABB=ON PLU=ON L2 OR L1

L55 473 SEA ABB=ON PLU=ON L54 OR ASCORBATE# OR ASCORBIC ACID# OR VITAMIN C

FILE 'REGISTRY' ENTERED AT 13:07:06 ON 05 AUG 2008

L56 1 SEA ABB=ON PLU=ON 61-19-8
D SCAN

FILE 'KOSMET' ENTERED AT 13:07:20 ON 05 AUG 2008

L57 114 SEA ABB=ON PLU=ON L56 OR ADENOSINE (3W) (PHOSPHATE# OR MONOPHOSPHATE# OR PHOSPHORIC ACID) OR ADENYLIC ACID# OR AMP OR ADENOVITE OR CARDIOMONE OR LYCEDAN OR PHOSADEN OR PHOSPHADEN OR PHOSPENTASIDE

L58 1 SEA ABB=ON PLU=ON L55 AND L57
D SCAN
D ALL

L59 7 SEA ABB=ON PLU=ON WAKAMATSU K?/AU

L60 0 SEA ABB=ON PLU=ON HARANO F?/AU
E KOBA T?/AU

L61 1 SEA ABB=ON PLU=ON SHINOHARA S?/AU

L62 8 SEA ABB=ON PLU=ON (L59 OR L60 OR L61)

L63 0 SEA ABB=ON PLU=ON L62 AND (L57 OR L55)

FILE 'CAPLUS, KOSMET' ENTERED AT 13:12:09 ON 05 AUG 2008

L64 21 DUP REM L35 L43 L58 (0 DUPLICATES REMOVED)
ANSWERS '1-20' FROM FILE CAPLUS
ANSWER '21' FROM FILE KOSMET

=> fil caplus kosmet
 FILE 'CAPLUS' ENTERED AT 13:13:21 ON 05 AUG 2008
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'KOSMET' ENTERED AT 13:13:21 ON 05 AUG 2008
 COPYRIGHT (C) 2008 International Federation of the Societies of Cosmetics Chemists

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=> d que 164
L1 (      1)SEA FILE=REGISTRY ABB=ON  PLU=ON  129499-78-1
L2 (      1)SEA FILE=REGISTRY ABB=ON  PLU=ON  50-81-7
L3      2 SEA FILE=REGISTRY ABB=ON  PLU=ON  L2 OR L1
L4 (     10)SEA FILE=REGISTRY ABB=ON  PLU=ON  (119588-63-5/BI OR 129499-78-
      1/BI OR 130-49-4/BI OR 183476-82-6/BI OR 27556-18-9/BI OR
      4578-31-8/BI OR 50-81-7/BI OR 60-92-4/BI OR 61-19-8/BI OR
      84-21-9/BI)
L5      5 SEA FILE=REGISTRY ABB=ON  PLU=ON  L4 AND ADENOSIN?
L6     31 SEA FILE=REGISTRY ABB=ON  PLU=ON  129499-78-1/CRN
L7    1114 SEA FILE=REGISTRY ABB=ON  PLU=ON  50-81-7/CRN
L9    1145 SEA FILE=REGISTRY ABB=ON  PLU=ON  L6 OR L7
L11   90812 SEA FILE=CAPLUS ABB=ON  PLU=ON  L3
L12   81158 SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L13  100092 SEA FILE=CAPLUS ABB=ON  PLU=ON  L11 OR ASCORBIC/OBI OR
      ASCORBATE/OBI
L14   114137 SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 OR (ADENOSINE (3W)
      ?PHOSPHA?)/BI
L16   101523 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13 OR VITAMIN C/OBI
L17    657 SEA FILE=CAPLUS ABB=ON  PLU=ON  L16 AND L14
L18    73 SEA FILE=CAPLUS ABB=ON  PLU=ON  L17 AND 62/SC,SX
L19   4760 SEA FILE=CAPLUS ABB=ON  PLU=ON  ANTIAG?/OBI
L20   4057 SEA FILE=CAPLUS ABB=ON  PLU=ON  LIGHTEN?/OBI
L21    45 SEA FILE=CAPLUS ABB=ON  PLU=ON  L17 AND COSMETI?/OBI
L22    76 SEA FILE=CAPLUS ABB=ON  PLU=ON  L21 OR L18
L23    14 SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L19
L24    13 SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L20
L25    19 SEA FILE=CAPLUS ABB=ON  PLU=ON  L23 OR L24
L26   852 SEA FILE=CAPLUS ABB=ON  PLU=ON  ANTI AG###/OBI
L27    4 SEA FILE=CAPLUS ABB=ON  PLU=ON  L26 AND L22
L28    19 SEA FILE=CAPLUS ABB=ON  PLU=ON  L27 OR L25
L29   5114 SEA FILE=CAPLUS ABB=ON  PLU=ON  ADENYLIC ACID#/OBI
L30  115106 SEA FILE=CAPLUS ABB=ON  PLU=ON  L14 OR L29
L31    659 SEA FILE=CAPLUS ABB=ON  PLU=ON  L30 AND L13
L32    663 SEA FILE=CAPLUS ABB=ON  PLU=ON  L17 OR L31
L33    14 SEA FILE=CAPLUS ABB=ON  PLU=ON  L32 AND (L26 OR L19)
L34    13 SEA FILE=CAPLUS ABB=ON  PLU=ON  L32 AND L20
L35    19 SEA FILE=CAPLUS ABB=ON  PLU=ON  L33 OR L34 OR L28
L36    9 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 AND (ADENOSI? OR ADENYLIC)
L37   5253 SEA FILE=REGISTRY ABB=ON  PLU=ON  (L9 OR ASCORB? OR VITAMIN C)
L38   95069 SEA FILE=REGISTRY ABB=ON  PLU=ON  L18 OR (ADENOSIN? OR
      ADENYLIC?)
L39    13 SEA FILE=REGISTRY ABB=ON  PLU=ON  L37 AND L38
L40    13 SEA FILE=REGISTRY ABB=ON  PLU=ON  L36 OR L39
L41    8 SEA FILE=CAPLUS ABB=ON  PLU=ON  L40
L43    1 SEA FILE=CAPLUS ABB=ON  PLU=ON  L41 AND SKIN?/OBI
L54    42 SEA FILE=KOSMET ABB=ON  PLU=ON  L2 OR L1
L55   473 SEA FILE=KOSMET ABB=ON  PLU=ON  L54 OR ASCORBATE# OR ASCOBIC
      ACID# OR VITAMIN C
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L56 1 SEA FILE=REGISTRY ABB=ON PLU=ON 61-19-8
L57 114 SEA FILE=KOSMET ABB=ON PLU=ON L56 OR ADENOSINE (3W) (PHOSPHATE# OR MONOPHOSPHATE# OR PHOSPHORIC ACID) OR ADENYLIC ACID# OR AMP OR ADENOVITE OR CARDIOMONE OR LYCEDAN OR PHOSADEN OR PHOSPHADEN OR PHOSPHENTASIDE
L58 1 SEA FILE=KOSMET ABB=ON PLU=ON L55 AND L57
L64 21 DUP REM L35 L43 L58 (0 DUPLICATES REMOVED)

=> d que 153
L1 (1)SEA FILE=REGISTRY ABB=ON PLU=ON 129499-78-1
L2 (1)SEA FILE=REGISTRY ABB=ON PLU=ON 50-81-7
L3 2 SEA FILE=REGISTRY ABB=ON PLU=ON L2 OR L1
L4 (10)SEA FILE=REGISTRY ABB=ON PLU=ON (119588-63-5/BI OR 129499-78-1/BI OR 130-49-4/BI OR 183476-82-6/BI OR 27556-18-9/BI OR 4578-31-8/BI OR 50-81-7/BI OR 60-92-4/BI OR 61-19-8/BI OR 84-21-9/BI)
L5 5 SEA FILE=REGISTRY ABB=ON PLU=ON L4 AND ADENOSIN?
L6 31 SEA FILE=REGISTRY ABB=ON PLU=ON 129499-78-1/CRN
L7 1114 SEA FILE=REGISTRY ABB=ON PLU=ON 50-81-7/CRN
L9 1145 SEA FILE=REGISTRY ABB=ON PLU=ON L6 OR L7
L11 90812 SEA FILE=CAPLUS ABB=ON PLU=ON L3
L12 81158 SEA FILE=CAPLUS ABB=ON PLU=ON L5
L13 100092 SEA FILE=CAPLUS ABB=ON PLU=ON L11 OR ASCORBIC/OBI OR ASCORBATE/OBI
L14 114137 SEA FILE=CAPLUS ABB=ON PLU=ON L12 OR (ADENOSINE (3W) ?PHOSPHA?) /BI
L16 101523 SEA FILE=CAPLUS ABB=ON PLU=ON L13 OR VITAMIN C/OBI
L17 657 SEA FILE=CAPLUS ABB=ON PLU=ON L16 AND L14
L18 73 SEA FILE=CAPLUS ABB=ON PLU=ON L17 AND 62/SC, SX
L19 4760 SEA FILE=CAPLUS ABB=ON PLU=ON ANTIA?/OBI
L20 4057 SEA FILE=CAPLUS ABB=ON PLU=ON LIGHTEN?/OBI
L21 45 SEA FILE=CAPLUS ABB=ON PLU=ON L17 AND COSMETI?/OBI
L22 76 SEA FILE=CAPLUS ABB=ON PLU=ON L21 OR L18
L23 14 SEA FILE=CAPLUS ABB=ON PLU=ON L22 AND L19
L24 13 SEA FILE=CAPLUS ABB=ON PLU=ON L22 AND L20
L25 19 SEA FILE=CAPLUS ABB=ON PLU=ON L23 OR L24
L26 852 SEA FILE=CAPLUS ABB=ON PLU=ON ANTI AG###/OBI
L27 4 SEA FILE=CAPLUS ABB=ON PLU=ON L26 AND L22
L28 19 SEA FILE=CAPLUS ABB=ON PLU=ON L27 OR L25
L29 5114 SEA FILE=CAPLUS ABB=ON PLU=ON ADENYLIC ACID#/OBI
L30 115106 SEA FILE=CAPLUS ABB=ON PLU=ON L14 OR L29
L31 659 SEA FILE=CAPLUS ABB=ON PLU=ON L30 AND L13
L32 663 SEA FILE=CAPLUS ABB=ON PLU=ON L17 OR L31
L33 14 SEA FILE=CAPLUS ABB=ON PLU=ON L32 AND (L26 OR L19)
L34 13 SEA FILE=CAPLUS ABB=ON PLU=ON L32 AND L20
L35 19 SEA FILE=CAPLUS ABB=ON PLU=ON L33 OR L34 OR L28
L36 9 SEA FILE=REGISTRY ABB=ON PLU=ON L9 AND (ADENOSI? OR ADENYLIC)

L37 5253 SEA FILE=REGISTRY ABB=ON PLU=ON (L9 OR ASCORB? OR VITAMIN C)
L38 95069 SEA FILE=REGISTRY ABB=ON PLU=ON L18 OR (ADENOSIN? OR ADENYLIC?)
L39 13 SEA FILE=REGISTRY ABB=ON PLU=ON L37 AND L38
L40 13 SEA FILE=REGISTRY ABB=ON PLU=ON L36 OR L39
L41 8 SEA FILE=CAPLUS ABB=ON PLU=ON L40
L43 1 SEA FILE=CAPLUS ABB=ON PLU=ON L41 AND SKIN?/OBI
L44 642 SEA FILE=CAPLUS ABB=ON PLU=ON WAKAMATSU K?/AU
L45 10 SEA FILE=CAPLUS ABB=ON PLU=ON HARANO F?/AU
L46 122 SEA FILE=CAPLUS ABB=ON PLU=ON KOBA T?/AU

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L47 735 SEA FILE=CAPLUS ABB=ON PLU=ON SHINOHARA S7/AU
 L48 1500 SEA FILE=CAPLUS ABB=ON PLU=ON (L44 OR L45 OR L46 OR L47)
 L49 10 SEA FILE=CAPLUS ABB=ON PLU=ON L48 AND (L26 OR (L19 OR L20))
 L51 2 SEA FILE=CAPLUS ABB=ON PLU=ON L48 AND (L11 AND L12)
 L52 11 SEA FILE=CAPLUS ABB=ON PLU=ON L51 OR L49
 L53 10 SEA FILE=CAPLUS ABB=ON PLU=ON L52 NOT (L35 OR L43)

=> d .ca hitstr 164 1-20; d .ca 153 1-10

L64 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2008 ACS ON STN
 ACCESSION NUMBER: 2007:410572 CAPLUS Full-text
 DOCUMENT NUMBER: 146:407605
 TITLE: Pharmaceutical preparation for external application to skin comprising phosphorylated sugar
 INVENTOR(S): Tanaka, Tomoko; Kamasaka, Hiroshi; Sugimoto, Kazuhisa; Nishimura, Takahisa; Kuriki, Takashi
 PATENT ASSIGNEE(S): Ezaki Glico Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 81pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007040027	A1	20070412	WO 2006-JP318203	20060913
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM EP 1932514 A1 20080618 EP 2006-810110 20060913 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR KR 2008055984 A 20080619 KR 2008-710744 20080502 PRIORITY APPLN. INFO.: JP 2005-292362 A 20051005 WO 2006-JP318203 W 20060913				

ED Entered STN: 13 Apr 2007

AB Disclosed is a pharmaceutical preparation for external application to the skin, which comprises a phosphorylated sugar. The phosphorylated sugar may be an inorg. salt of a phosphorylated sugar. The phosphorylated sugar may be in the form of a calcium salt, a magnesium salt, a potassium salt, a zinc salt, an iron salt or a sodium salt. Also disclosed is a pharmaceutical preparation for external application to the skin, which comprises a phosphorylated sugar and a second component. The second component is selected from the group consisting of a moisturizing component, a skin-whitening agent, an UV-absorber, an anti-inflammatory agent, a cell-activating agent and an anti-oxidant. The moisturizing agent may be ascorbic acid or an ascorbic acid derivative. For example, a cosmetic lotion containing phosphorylated oligosaccharide potassium salt 0.5, glycerin, polyoxyethylene

srobitanonolaurate 1, preservative/fragrance, and water balance to 100 % was formulated, and examined for its skin-moisturizing effect in humans.

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Angelica acutiloba

Anti-inflammatory agents

Antioxidants

Bath preparations

Cosmetic creams

Cosmetic emulsions

Cosmetic lotions

Cosmetic packs

Cosmetic powders

Cosmetics and personal care products

Human

Skin moisturizers

Skin-lightening cosmetics

UV stabilizers

(pharmaceutical preparation for external application to skin comprising phosphorylated sugar and other active components)

IT 50-28-2, Estradiol, biological studies 50-33-9, Phenylbutazone, biological studies 50-70-4, Sorbitol, biological studies 50-81-7, Ascorbic acid, biological studies 52-90-4, Cysteine, biological studies 53-86-1, Indometacin 56-81-5, Glycerin, biological studies 56-89-3, Cystine, biological studies 57-13-6, Urea, biological studies 57-55-6, Propylene glycol, biological studies 57-88-5, Cholesterol, biological studies 58-08-2, Caffeine, biological studies 58-55-9, Theophylline, biological studies 59-43-8, Thiamine, biological studies 59-67-6, Nicotinic acid, biological studies 60-92-4, Cyclic AMP 61-68-7, Mefenamic acid 65-23-6, Pyridoxin 65-71-4, Thymine 69-65-8, Mannitol 69-89-6, Xanthine 69-93-2, Uric acid, biological studies 70-18-8, Glutathione, biological studies 71-00-1, Histidine, biological studies 71-30-7, Cytosine 73-22-3, Tryptophan, biological studies 73-24-5, Adenine, biological studies 73-40-5, Guanine 83-88-5, Riboflavin, biological studies 89-65-6, Erythorbic acid 94-41-7, Chalcone 97-59-6, Allantoin 99-50-3, Protocatechuic acid 102-71-6, Triethanolamine, biological studies 107-88-0, 1,3-Butylene glycol 108-46-3, Resorcinol, biological studies 122-48-5, Gingerone 123-99-9, Azelaic acid, biological studies 128-37-0, biological studies 146-14-5, Flavin adenine dinucleotide 146-17-8, Flavin mononucleotide 149-91-7, Gallic acid, biological studies 150-76-5, Hydroquinone monomethyl ether 153-18-4, Rutin 303-98-0, Coenzyme Q10 305-84-0, Carnosine 331-39-5, Caffeic acid 404-86-4, Capsaicin 458-37-7, Curcumin 471-53-4, Glycyrrhetic acid 476-66-4, Ellagic acid 489-84-9, Guaiazulene 497-76-7, Arbutin 499-44-5, Hinokitiol 500-38-9, Nordihydroguaiaretic acid 501-30-4, Kojic acid 504-15-4 506-26-3, γ -Linolenic acid 523-73-9, Flavoglaucin 526-07-8, Sesamol 533-31-3, Sesamol 555-66-8, Shogaol 584-85-0, Anserine 607-80-7, Sesamin 635-65-4, Bilirubin, biological studies 660-27-5, Diisopropylaminedichloroacetate 1135-24-6, Ferulic acid 1197-18-8, Tranexamic acid 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1405-86-3, Glycyrrhizic acid 1406-18-4, Vitamin E 3211-76-5, Selenomethionine 3650-73-5, HomoCarnosine 5957-80-2, Carnosol 6628-37-1, Sodium 2-hydroxy-4-methoxybenzophenone-5-sulfonate 6809-52-5, Teprenone 7631-90-5, Sodium hydrogen sulfite 7665-99-8, Cyclic GMP 7704-34-9, Sulfur, biological studies 9001-05-2, Catalase 9007-28-7, Chondroitin sulfate 9013-66-5 9031-37-2, Ceruloplasmin 9054-89-1, Superoxide dismutase 9067-32-7, Sodium hyaluronate 10417-94-4, Eicosapentaenoic acid 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12738-23-7,

Oryzanol 15687-27-1, Ibuprofen 19072-58-3, Vanillylamide 22071-15-4,
Ketoprofen 25013-16-5 25429-38-3, Hydroxycinnamic acid 32762-51-9,
Bromophenol 34644-03-6 36062-04-1, TetrahydroCurcumin 38882-78-9
43119-47-7, Vitamin E nicotinate 53188-07-1, Trolox 53755-02-5,
trans-Clovamide 53755-03-6, cis-Clovamide 56897-53-1, Carcinine
58817-05-3 60940-34-3, Ebselen 77201-66-2 80702-44-9,
Riboflavinbutyrate 84380-01-8, α -Arbutin 108910-78-7, Magnesium
ascorbyl phosphate 185195-66-8

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(pharmaceutical preparation for external application to skin comprising
phosphorylated sugar and other active components)

IT 50-81-7, Ascorbic acid, biological studies

60-92-4, Cyclic AMP

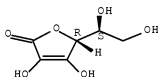
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(pharmaceutical preparation for external application to skin comprising
phosphorylated sugar and other active components)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

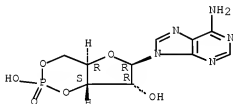
Absolute stereochemistry.



RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L64 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2007:173888 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 146:212282

TITLE: Agent for enhancing collagen production and
utilization of the same

INVENTOR(S): Miyata, Satomi; Ushio, Shimpei; Iwaki, Kanso; Miyake,
Toshio

PATENT ASSIGNEE(S): Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo,
Japan

SOURCE: PCT Int. Appl., 46pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007018124	A1	20070215	WO 2006-JP315410	20060803
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1932530	A1	20080618	EP 2006-782270	20060803
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
KR 2008034890	A	20080422	KR 2008-701705	20080122
CN 101232891	A	20080730	CN 2006-80028198	20080131
PRIORITY APPLN. INFO.:			JP 2005-232679	A 20050811
			WO 2006-JP315410	W 20060803

ED Entered STN: 16 Feb 2007

AB It is intended to provide a means exerting a prolonged effect of enhancing the production of collagen. This object can be achieved by an agent for enhancing collagen production which contains, as the active ingredient, α , α -trehalose and/or a sugar derivative of α , α -trehalose, or a composition for enhancing collagen production which contains the agent for enhancing collagen production as described above.

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 17

ST health food cosmetic trehalose collagen prodrn enhancer

IT Skin, disease

(aging, wrinkles, improvement by; health foods and cosmetics

containing trehalose and addnl. actives for enhancing collagen production)

IT Antiaging cosmetics

Dentifrices

Health food

(health foods and cosmetics containing trehalose and addnl.

actives for enhancing collagen production)

IT Collagens, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(health foods and cosmetics containing trehalose and addnl.

actives for enhancing collagen production)

IT Mucopolysaccharides, biological studies

RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study);

USES (Uses)

(health foods and cosmetics containing trehalose and addnl.

actives for enhancing collagen production)

IT Beverages

(health; health foods and cosmetics containing trehalose and

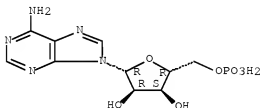
addnl. actives for enhancing collagen production)

IT 56-65-5, Adenosine triphosphate, biological studies

58-61-7, Adenosine, biological studies 58-64-0, Adenosine

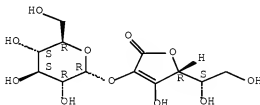
diphosphate, biological studies 61-19-8,
 Adenosine monophosphate, biological studies 99-20-7,
 α , α -Trehalose 303-98-0, Coenzyme Q10 3416-24-8,
 Glucosamine 9007-28-7, Chondroitin sulfate 9082-07-9, Sodium
 chondroitin sulfate 129499-78-1, L-Ascorbic acid
 2-glucoside 130603-71-3, α G Rutin 738602-93-2, Tornare
 847870-90-0, Hallodex
 RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study);
 USES (Uses)
 (health foods and cosmetics containing trehalose and adnl.
 actives for enhancing collagen production)
 IT 61-19-8, Adenosine monophosphate, biological
 studies 129499-78-1, L-Ascorbic acid 2-glucoside
 RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study);
 USES (Uses)
 (health foods and cosmetics containing trehalose and adnl.
 actives for enhancing collagen production)
 RN 61-19-8 CAPLUS
 CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



RN 129499-78-1 CAPLUS
 CN L-Ascorbic acid, 2-O- α -D-glucopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L64 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2008 ACS ON STN
 ACCESSION NUMBER: 2007:553554 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 146:506934
 TITLE: Liquid skin compositions stably containing
 glutathione, and skin-whitening and skin-beautifying
 compositions
 INVENTOR(S): Matsuda, Kosuke; Matsuda, Tomotake; Okuda, Yoshinori;
 Iwasaki, Hiroyuki

Jody Karol 10/523.605

PATENT ASSIGNEE(S): Vesubio K. K., Japan; Cosmetics Roland K. K.
 SOURCE: Jpn. Tokkyo Koho, 14pp.
 CODEN: JTXXFF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 3919123	B1	20070523	JP 2005-373497	20051226
JP 2007176798	A	20070712		

PRIORITY APPLN. INFO.: JP 2005-373497 20051226

ED Entered STN: 23 May 2007

AB It is intended to provide a liquid skin composition containing glutathione, especially reduced glutathione, with improved storage stability of glutathione. Disclosed is a liquid skin composition containing whey fraction, molasses fraction, and glutathione, wherein the molasses fraction is obtained by extraction with an alc. or an alc./water mixture and decoloration thereof. A skin composition further containing carboxylic acid, skin-whitening component, and/or skin-beautifying agent is also disclosed. For example, a skin composition containing glutathione 1, cattle colostrum whey fraction 5, active carbon-treated molasses ethanol extract 5, ascorbic acid, sodium ascorbate, and water balance to 100 % was formulated, and tested for the storage stability.

CC 62-4 (Essential Oils and Cosmetics)

IT Cosmetics and personal care products

Royal jelly

Skin-lightening cosmetics

Wrinkle-preventing cosmetics

(liquid skin comps. stably containing glutathione, and skin-whitening and skin-beautifying comps.)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D, L-Ascorbic acid, alkyl esters 56-65-5, Adenosine triphosphate, biological studies 61-19-8, Adenosine monophosphate, biological studies 69-72-7, Salicylic acid, biological studies 69-89-6, Xanthine 70-18-8, Glutathione, biological studies 73-40-5, Guanine 79-14-1, Glycolic acid, biological studies 108-46-3, Resorcin, biological studies 110-15-6, Succinic acid, biological studies 134-03-2, Sodium ascorbate 331-39-5, Caffeic acid 463-40-1, α -Linolenic acid 481-49-2, Cepharanthin 497-76-7, Arbutin 506-26-3, γ -Linolenic acid 551-15-5, Liquiritin 1135-24-6, Ferulic acid 5041-81-6, IsoLiquiritin 6915-15-7, Malic acid 9067-32-7, Sodium hyaluronate 10417-94-4, Eicosapentaenoic acid 56939-67-4D, derivs. 59870-68-7, Glabridin 60008-03-9, Glabrene 125913-31-7

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(liquid skin comps. stably containing glutathione, and skin-whitening and skin-beautifying comps.)

IT 50-81-7, Ascorbic acid, biological studies

50-81-7D, L-Ascorbic acid, alkyl esters 61-19-8

, Adenosine monophosphate, biological studies

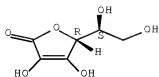
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(liquid skin comps. stably containing glutathione, and skin-whitening and skin-beautifying comps.)

RN 50-81-7 CAPLUS

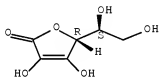
CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



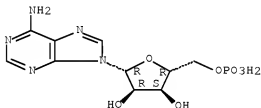
RN 50-81-7 CAPLUS
CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



RN 61-19-8 CAPLUS
CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:491792 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 145:14124
TITLE: Topical delivery system comprising esters of hydroxy acids for cosmetic and pharmaceutical agents
INVENTOR(S): Gupta, Shyam K.
PATENT ASSIGNEE(S): Bioderm Research, USA
SOURCE: U.S. Pat. Appl. Publ., 20 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060110415	A1	20060525	US 2004-904665	20041122
US 20070166255	A1	20070719	US 2007-670942	20070202
PRIORITY APPLN. INFO.:			US 2004-904665	A2 20041122
			US 2005-161856	A2 20050819

ED Entered STN: 25 May 2006

- AB This invention relates to topical compns. containing esters of hydroxy acids and their application in the deep-penetration delivery of beneficial cosmetic and pharmaceutical agents. An ester of a hydroxy acid is selected from alkyl and aryl esters of glycolic, malic, lactic, mandelic, ascorbic, phytic, salicylic, aleuritic, and tartaric acids, etc. Thus, a skin whitening serum was prepared containing Et lactate 20.0, hydroxypropyl guar 0.5,, quinaacetophenone 5.0, PEG-6 70.0, arbutin 4.0, and preservatives 0.5 parts, resp. The product had a clear to slightly hazy serum-like appearance. It was absorbed rapidly with a silky smooth skin feel. Also, an arthritis pain relief anti-inflammatory gel was prepared containing tri-Et citrate 55.65, Polyamide-3 5.0, preservative 0.5, Boswellia serrata extract 0.05, N-acetylglucosamine 2.0, methylsulfonylmethane 5.0, Aloe vera 0.1, vitamin E 0.5, paeonol 0.5, magnolol 0.2, chondroitin sulfate 0.5, and zeolite 30.0 parts, resp.
- INCL 424401000; 424059000
- CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
- ST hydroxycarboxylic acid ester penetration enhancer topical cosmetic pharmaceutical
- IT Polyvinyl acetals
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
((diethylamino)acetals; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(C16-18; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(Murumuru butter; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(Tritons; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Regeneration, animal
(agents for induction of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Sebum
(agents for modulation of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Acne
Pruritus
Psoriasis
Seborrhea
Sleep disorders
(agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Skin, disease
(aging, agents for treatment of; topical delivery systems comprising

- esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Surfactants
 - (amphoteric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fats and Glyceridic oils, biological studies
 - RL: BSU (Biological study, unclassified); BIOL (Biological study) (animal, reduction of excess; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Surfactants
 - (anionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Hair preparations
 - (antidandruff; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fats and Glyceridic oils, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (apricot kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Skin preparations (pharmaceutical)
 - (astringents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Pinus
 - (bark extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Soaps
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (bars; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Spheres
 - (beads; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Panax
 - (berry exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Collagens, biological studies
 - Elastins
 - RL: BSU (Biological study, unclassified); BIOL (Biological study) (boosting agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Surfactants
 - (cationic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Skin
 - (cellulite, agents for control of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Tobacco smoke
 - (cessation agents; topical delivery systems comprising esters of

- hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Polysiloxanes, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (cetyl Me, di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fatty acids, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (coco, 2-sulfoethyl esters, sodium salts; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Drug delivery systems
 - (colloids; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT DNA
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (complexes, with ascorbic acid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Hair preparations
 - (conditioners; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - (creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Skin
 - (darkening and lightening agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - (depilatories; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cyclosiloxanes
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Ketones, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (diketones, unsatd., curcuminoids, tetrahydro, derivs.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Drug delivery systems
 - (emollients; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Drug delivery systems
 - (emulsions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical

- uses)
- IT Aesculus hippocastanum
- Ammi visnaga
- Arctostaphylos uva-ursi
- Arnica montana
- Aspergillus oryzae
- Avena sativa
- Boswellia serrata
- Broussonetia kazinoki
- Calendula officinalis
- Camellia sinensis
- Centella asiatica
- Cordia schomburgkii
- Corynanthe johimbe
- Ecklonia cava
- Emblica
- Filipendula ulmaria
- Gouania blanchetiana
- Gymnema sylvestre
- Hedera helix
- Hibiscus furcellatus
- Hypericum perforatum
- Kaempferia galanga
- Laminaria
- Leukocyte
- Maprounea guianensis
- Melilotus officinalis
- Mitracarpus scaber
- Orthosiphon stamineus
- Panax ginseng
- Phaseolus vulgaris
- Phyllanthus emblica
- Plectranthus barbatus
- Potentilla erecta
- Randia armata
- Rosmarinus officinalis
- Rumex crispus
- Ruscus aculeatus
- Salvia officinalis
- Siegesbeckia orientalis
- Spondias mombin
- Tephrosia
- Terminalia sericea
- Trigonella foenum-graecum
- Waltheria indica
- Zingiber officinale
- (extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Embryophyta
- Plants
- Rumex occidentalis
- Tea products
- (exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
- (face packs; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
- Drug delivery systems

- (gels; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(grape seed; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Tea products
(green, extract of, Green tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Dyes
(green/blue; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Hair preparations
(growth inhibitors; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Hair preparations
(growth stimulants; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Plantago psyllium
(husk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy, esters; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Garcinia cambogia
(hydroxycitric acid of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Drug delivery systems
(implants, skin surface; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Sexual disorders
(impotence, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Skin, disease
(irritation, agents for prevention/treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
(lip balms; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Soaps
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(liquid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
Drug delivery systems
(liqs.; topical delivery systems comprising esters of hydroxy acids as

- penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Drug delivery systems
 - (lotions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Fats and Glyceridic oils, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (mango kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Circulation
 - (microcirculation, agents for improvement of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Melanins
 - RL: BSU (Biological study, unclassified); BIOL (Biological study)
 - (modulating agent; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - (moisturizers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Mental and behavioral disorders
 - (mood-affecting, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Drug delivery systems
 - (nanoparticles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Surfactants
 - (nonionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Bath preparations
 - (oils; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Drug delivery systems
 - (ointments, creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Resins
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (oleoresins, paprika; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Luffa
 - (particles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Sulfonic acids, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (polymers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

- uses)
- IT Phenols, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (polyphenols, nonpolymeric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Glycyrrhiza glabra
 - (root exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Resins
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (sandarac; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Amines, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (secondary, bis-, polymers with ethylenediamine and hydrogenated dilinoleates; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cola (plant)
 - Vitis vinifera
 - (seed extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - (serums; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Protein hydrolyzates
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (silk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Drug delivery systems
 - (sols.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Protein hydrolyzates
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (soya; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - Drug delivery systems
 - (sprays; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Cosmetics
 - (sticks; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Polymers, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (sulfo-containing; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Drug delivery systems
 - (suspensions; topical delivery systems comprising esters of hydroxy

- acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Hibiscus sabdariffa
 - (tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Aloe barbadensis
 - Analgesics
 - Andrographis paniculata
 - Anesthetics
 - Anti-inflammatory agents
 - Antianginal agents
 - Antibacterial agents
 - Antibiotics
 - Antidepressants
 - Antidiabetic agents
 - Antidiarrheals
 - Antiemetics
 - Antimigraine agents
 - Antiobesity agents
 - Antiosteoporotic agents
 - Antioxidants
 - Antiparkinsonian agents
 - Antiperspirants
 - Antiulcer agents
 - Antiviral agents
 - Bronchodilators
 - Citrus sinensis
 - Colloids
 - Colognes
 - Coloring materials
 - Curcuma longa
 - Fungicides
 - Garcinia mangostana
 - Haematococcus
 - Human
 - Humectants
 - Immunomodulators
 - Lycopersicon esculentum
 - Mangifera indica
 - Olea europaea
 - Orange
 - Perfumes
 - Permeation enhancers
 - Polygonum cuspidatum
 - Preservatives
 - Punica granatum
 - Seed
 - Shampoos
 - Solubilizers
 - Sunscreens
 - Suspensions
 - Tagetes patula
 - UV stabilizers
 - Vaccinium
 - Vaccinium myrtillus
 - Wound healing promoters
 - (topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
- IT Carotenes, biological studies

Clays, biological studies
 Cocoa butter
 Glycols, biological studies
 Hormones, animal, biological studies
 Kaolin, biological studies
 Lipoproteins
 Mica-group minerals, biological studies
 Mineral elements, biological studies
 Petrolatum
 Polyoxyalkylenes, biological studies
 Polysiloxanes, biological studies
 Retinoids
 Rosin
 Shellac
 Silica gel, biological studies
 Silicates, biological studies
 Silicone rubber, biological studies
 Steroids, biological studies
 Ureas
 Vitamins
 Zeins
 Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)
 IT Drug delivery systems
 (transdermal; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and
 pharmaceutical uses)
 IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (ximenia; topical delivery systems comprising esters of hydroxy acids
 as penetration enhancers for cosmetic and pharmaceutical
 uses)
 IT Surfactants
 (zwitterionic; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and
 pharmaceutical uses)
 IT 89-84-9
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Resacetophenone; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and
 pharmaceutical uses)
 IT 9002-88-4, Polyethylene
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (balls; topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)
 IT 9001-66-5, MAO
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (inhibitors; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and
 pharmaceutical uses)
 IT 50-21-5, Lactic acid, biological studies 50-21-5D, Lactic acid, alkyl
 and aryl esters 50-81-7, L-Ascorbic acid, biological
 studies 50-81-7B, Ascorbic acid, alkyl and aryl esters
 50-81-7B, L-Ascorbic acid, derivs. 51-67-2, Tyramine

53-41-8, Androsterone 53-43-0, Dehydroepiandrosterone 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 56-86-0D, L-Glutamic acid, N-acyl diamides, biological studies 57-00-1, Creatine 57-55-6, Propylene glycol, biological studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine, biological studies 58-22-0, Testosterone 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5, Biotin 59-30-3, Folic acid, biological studies 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters 63-05-8, Androstenedione 65-19-0, Yohimbine hydrochloride 65-85-0D, Benzoic acid, C2-15-alkyl esters 67-71-0, Methylsulfonylmethane 68-26-8, Retinol 69-72-7, Salicylic acid, biological studies 69-72-7D, Salicylic acid, alkyl and aryl esters 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 76-30-2D, Dihydroxytartaric acid, alkyl and aryl esters 76-89-1 77-52-1, Ursolic acid 77-89-4, Acetyl triethyl citrate 77-90-7, Acetyl tributyl citrate 77-92-9, Citric acid, biological studies 77-92-9D, Citric acid, alkyl and aryl esters 77-93-0 77-94-1 79-10-7D, Acrylic acid, derivs., polymers 79-14-1, Glycolic acid, biological studies 79-14-1D, Glycolic acid, alkyl and aryl esters 79-41-4D, Methacrylic acid, aminoalkyl esters, polymers 80-55-7 80-69-3D, Tartaric acid, alkyl and aryl esters 83-67-0, Theobromine 83-72-7, Lawsone 83-86-3, Phytic acid 83-86-3D, Phytic acid, alkyl and aryl esters 87-69-4D, Tartaric acid, alkyl and aryl esters 87-73-0D, Saccharic acid, alkyl and aryl esters 87-91-2, Diethyl tartrate 90-64-2, Mandelic acid 90-64-2D, Mandelic acid, alkyl and aryl esters 93-60-7, Methyl nicotinate 94-07-5, Synephrine 94-09-7, Benzocaine 94-13-3, Propyl paraben 94-44-0, Benzyl nicotinate 94-62-2, Piperine 96-35-5, Methyl glycolate 97-59-6, Allantoin 97-64-3, Ethyl lactate 98-92-0, Niacinamide 99-93-4 100-51-6, Benzyl alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 104-29-0 107-15-3D, Ethylenediamine, polymers with hydrogenated dilinoleates and bis(dialkyl) amines 107-41-5, Hexylene glycol 107-68-6D, cocoyl derivs., sodium salts 111-29-5, Pentylene glycol 111-90-0 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 118-61-6, Ethyl salicylate 118-93-4 119-36-8, Methyl salicylate 121-71-1 122-99-6, Phenoxymethanol 123-31-9, Hydroquinone, biological studies 127-17-3, Pyruvic acid, biological studies 127-17-3D, Pyruvic acid, salts 127-40-2, Lutein 131-57-7, Benzophenone-3 133-38-0D, Dihydroxyfumaric acid, alkyl and aryl esters 134-09-8, Menthyl anthranilate 136-44-7, Glyceryl p-aminobenzoate 137-58-6, Lidocaine 138-22-7, Butyl lactate 139-44-6, Trihydroxystearin 145-13-1, Pregnenolone 146-48-5, Yohimbine 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 300-85-6D, β -Hydroxybutyric acid, alkyl and aryl esters 302-79-4, Tretinoin 305-84-0, Carnosine 317-34-0, Aminophylline 320-77-4D, Isocitric acid, alkyl and aryl esters 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 404-86-4, Capsaicin 471-53-4, Glycylrrhietinic acid 472-11-7D, Roscogenin, derivs. 472-61-7, Astaxanthin 473-81-4D, Glyceric acid, alkyl and aryl esters 476-66-4, Ellagic acid 477-32-7, Visnadine 480-66-0 488-69-7, Fructose-1,6-diphosphate 490-78-8 491-67-8, Baicalin 491-70-3, Luteolin 497-76-7, Arbutin 498-36-2D, α -Hydroxyisocaproic acid, alkyl and aryl esters 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin 515-30-0D, Atrolactic acid, alkyl and aryl esters 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic acid 526-84-1D, Dihydroxymaleic acid, alkyl and aryl esters 526-95-4D, D-Gluconic acid, alkyl and aryl esters 526-99-8D, Mucic acid, alkyl and aryl esters 528-21-2 528-43-8, Magnolol 528-58-5, Cyanidin 531-75-9, Esculin

539-15-1, Hordenine 541-15-1, L-Carnitine 547-64-8, Methyl lactate 548-04-9, Hypericin 552-41-0, Paenolol 557-34-6, Zinc acetate 585-24-0, Isobutyl lactate 594-61-6D, α -Hydroxyisobutyric acid, alkyl and aryl esters 600-15-7D, α -Hydroxybutyric acid, alkyl and aryl esters 602-41-5, Thiocolchicoside 608-68-4, Dimethyl tartrate 615-34-9 615-51-0 616-09-1, Propyl lactate 616-45-5, Pyrrolidone 617-51-6, Isopropyl lactate 623-50-7, Ethyl glycolate 623-61-0, Isopropyl glycolate 631-25-4 685-73-4D, Galacturonic acid, alkyl and aryl esters 699-83-2 774-40-3 816-50-2 828-01-3D, β -Phenyllactic acid, alkyl and aryl esters 872-50-4, N-Methylpyrrolidone, biological studies 1112-33-0D, Pantoic acid, alkyl and aryl esters 1197-09-7 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1323-66-6, Monostearyl citrate 1330-70-7D, Hydroxystearic acid, alkyl and aryl esters 1337-33-3, Stearyl citrate 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1450-74-4, 5'-Chloro-2'-hydroxyacetophenone 1450-75-5, 5'-Bromo-2'-hydroxyacetophenone 1587-20-8 1587-21-9 1818-27-5, 2,4,5-Trihydroxyacetophenone 1847-58-1, Sodium lauryl sulfoacetate 1987-71-9, Nicotinamide ascorbate 2051-96-9, Benzyl lactate 2086-83-1, Berberine 2110-78-3 2163-42-0, Methylpropanediol 2174-16-5, Trolamine salicylate 2197-63-9, Dicetyl phosphate 2398-96-1, Tolnaftate 2420-35-1, Methyl 2-hydroxyoctadecanoate 2420-56-6, 10-trans,12-cis-Linoleic acid 2433-95-6 2457-50-3, 2-Acetylpyridine N-oxide 2540-56-9, 9-cis,11-trans-Linoleic acid 2887-72-1, 3',5'-Dibromo-4'-hydroxyacetophenone 3055-94-5, Laureth-3 3196-84-7 3233-32-7 3321-92-4, 3',5'-Dichloro-2'-hydroxyacetophenone 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 3714-17-8 3909-12-4D, Threonic acid, alkyl and aryl esters 3956-93-2D, Idonic acid, alkyl and aryl esters 4026-18-0D, α -Hydroxyisovaleric acid, alkyl and aryl esters 4055-06-5 4065-45-6, Sulisobenzene 4118-51-8 4181-80-0 4358-87-6 4552-00-5 4773-96-0, Mangiferin 5413-58-1 5426-43-7, Pentyl glycolate 5426-51-7 5464-71-1, Octyl lactate 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 5508-58-7, Andrographolide 5542-21-2 6100-74-9 6144-28-1D, Dilinoleic acid, hydrogenated, derivs., polymers with ethylenediamine and bis(dialkyl)amines 6147-11-1, Mangostin 6197-30-4, Octocrylene 6283-86-9 6283-92-7, Dodecyl lactate 6290-46-6 6382-06-5 6556-12-3D, Glucuronic acid, alkyl and aryl esters 6602-83-1 6805-41-0, Escin 6829-55-6, Tocotrienol 6906-37-2D, Mannonic acid, alkyl and aryl esters 6915-15-7, Malic acid 6915-15-7D, Malic acid, alkyl and aryl esters 6938-26-7, Ethyl 2-hydroxypentanoate 7249-07-2 7397-62-8, Butyl glycolate

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

- IT 7439-96-5, Manganese, biological studies 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7472-56-2 7512-17-6, N-Acetyl-glucosamine 7631-86-9, Silica, biological studies 7757-82-6, Sodium sulfate, biological studies 7775-50-0, Tristearyl citrate 7778-18-9, Calcium sulfate 8011-96-9, Calamine 8050-88-2, Celluloid 9002-72-6, Growth hormone 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-38-0, Cellulose acetophthalate 9004-57-3, Ethyl cellulose 9004-61-9, Hyaluronic acid 9004-61-9D, Hyaluronic acid, alkyl and aryl esters 9004-74-4, Methoxypolyethylene glycol 9004-99-3, PEG stearate 9005-64-5, Polysorbate-20 9006-65-9, Dimethicone 9006-65-9D, Dimethicone, crosslinked 9006-65-9D, Dimethicone, vinyl dimethicone crosspolymer 9007-28-7, Chondroitin sulfate 9012-76-4, Chitosan 9049-76-7, Hydroxypropyl starch

9050-31-1, Hydroxypropyl methyl cellulose phthalate 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetrone acid 11099-07-3, Glyceryl stearate 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13382-27-9D, Galactonic acid, alkyl and aryl esters 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium dioxide, biological studies 13494-10-5 13544-79-1 13674-16-3 13752-83-5D, Arabinonic acid, alkyl and aryl esters 13752-84-6D, Erythronic acid, alkyl and aryl esters 14007-02-4 14639-25-9, Chromium(III) picolinate 14919-24-5 15399-05-0 16503-00-7 16544-70-0, Trihexyl citrate 16742-49-7, Methyl 2-hydroxyhexanoate 16742-51-1, Methyl 2-hydroxyhexadecanoate 16830-15-2, Asiaticoside 17463-61-5 17812-24-7D, Ribonic acid, alkyl and aryl esters 17828-56-7D, Xylonic acid, alkyl and aryl esters 17941-34-3, Aleuritic acid 17941-34-3D, Aleuritic acid, alkyl and aryl esters 18294-96-7, Ethyl 2-hydroxyheptanoate 18294-99-0 18295-02-8 18295-04-0 18295-07-3 18925-86-5 19239-78-2 19329-89-6, Isopentyl lactate 20246-52-0D, Talonic acid, alkyl and aryl esters 20246-53-1D, Gulonic acid, alkyl and aryl esters 20279-51-0, Hexyl lactate 20283-92-5, Rosmarinic acid 20309-57-3 20731-95-7 23351-51-1D, Glucoheptonic acid, alkyl and aryl esters 24871-35-0D, Altronic acid, alkyl and aryl esters 25086-15-1, Methacrylic acid-methyl methacrylate copolymer 25190-06-1, Polybutylene glycol 25212-88-8, Ethyl acrylate-methacrylic acid copolymer 25265-75-2, Butylene glycol 25322-68-3, Polyethylene glycol 25322-69-4, Polypropylene glycol 25618-55-7, Polyglycerol 26163-61-1 26326-73-8 26762-67-4, Octanediol 26838-05-1, Disodium lauryl sulfosuccinate 27178-06-9 27517-34-6D, graft polymer derivs. 27750-10-3, Hydroxycitric acid 27750-10-3D, Hydroxycitric acid, alkyl and aryl esters and salts 28223-40-7D, Lyxonic acid, alkyl and aryl esters 28223-42-9D, Allonic acid, alkyl and aryl esters 28514-63-8 28572-98-7, Ethyl methacrylate-methacrylic acid copolymer 29130-41-4 29130-42-5 29589-99-9, Distearyl citrate 29674-47-3, Methyl 2-hydroxybutanoate 29710-25-6, 2-Ethylhexyl 12-hydroxystearate 32122-08-0 32619-42-4, Oleuropein 33709-29-4 34900-10-2 35161-44-5 35354-74-6, Honokiol 36062-04-1, Tetrahydrocurcumin 36653-82-4, Cetyl alcohol 37205-99-5, Carboxymethyl ethyl cellulose 38771-96-9 39421-75-5, Hydroxypropyl guar 42175-34-8, Decyl lactate 45208-03-5, Dodecyl glycolate 51067-85-7, Methyl 2-hydroxydodecanoate 51261-06-4 51261-08-6 51261-33-7 51261-34-8 51261-35-9 51863-60-6, 3,5-Dihydroxyacetophenone 52089-54-0, Ethyl 2-hydroxybutanoate 52089-55-1, Ethyl 2-hydroxyhexanoate 52182-15-7 52182-16-8 52613-19-1 53798-96-2 54340-91-9, Methyl 2-hydroxyheptanoate 55306-04-2, Sericoside 56009-40-6, Methyl 2-hydroxytetradecanoate 56210-21-0 56780-58-6, Starch hydroxypropyltrimonium chloride 56842-80-9 56996-83-9, Phaseolamine 57448-83-6 58450-52-5, Disodium laureth sulfosuccinate 59113-36-9, Diglycerol 59219-65-7, Darutoside 59443-15-1 59854-10-3, tert-Butyl lactate 60787-27-1 61574-64-9 62123-57-3 63167-15-7 63363-19-9 65277-53-4 65497-29-2, Guar hydroxypropyltrimonium chloride 66267-54-7 66267-58-1 66634-12-6, Niacinamide salicylate 68756-64-9, Methyl 2-hydroxyhexanoate 70289-34-8 70356-09-1, Avobenzone 71138-97-1, Hydroxypropyl methyl cellulose acetate succinate 71271-24-4, Methyl 2-hydroxydecanoate 73573-57-6 73634-76-1, Methyl 2-hydroxyoctanoate 73634-77-2 74592-76-0 76414-35-2 76994-59-7 85918-30-5, 2,3,6-Trihydroxyacetophenone 86432-23-7, Sodium stearyl phthalamate 90357-58-7, Propyl glycolate 90675-74-4 91776-00-0, PEG 120 methyl glucose diolate 93168-18-4, Ethyl 2-hydroxyoctanoate 93993-87-4 94006-12-9 94231-35-3 94983-14-9 100386-17-2 100495-94-1 100528-82-3 100963-05-1 101396-13-8 101396-15-0 101453-14-9 101996-62-7 101996-63-8 101996-64-9 101996-65-0 102162-44-7

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102370-27-4 103049-26-9 104037-54-9 105911-24-8 105911-25-9
 106522-72-9 106522-73-0 108740-82-5 110343-04-9, Glycerol lactate
 110713-02-5 110945-08-9 114214-84-5 114214-85-6 116435-95-1
 116557-40-5 117576-13-3 118068-28-3 120154-90-7 120154-91-8, Octyl
 2-hydroxyoctanoate 120154-92-9, Ethyl 2-hydroxyoctadecanoate
 122579-43-5 124111-47-3 125913-31-7, Ascorbyl phosphate 125971-06-4
 126679-54-7 126925-06-2 129086-73-3, Ethyl 2-hydroxytetradecanoate
 134970-46-0 135322-32-6, Chitosan ascorbate 135970-30-8
 136208-65-6 136208-68-9 136315-05-4 136599-01-4D, alkyl and aryl
 esters 136745-48-7 143894-93-3, Decyl 2-hydroxyoctanoate 152167-64-1
 152167-65-2 161776-71-2 162328-63-4 162328-64-5 162328-65-6
 162328-67-8 163418-44-8 172098-18-9 172464-76-5 173855-08-8
 174882-69-0, Pycnogenol 175897-68-4 176035-22-6 199282-59-2
 199282-60-5 199282-61-6 199282-62-7 199282-63-8 199282-65-0
 199282-66-1

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 199282-67-2 199282-70-7 199282-71-8 199282-73-0 199282-74-1
 199282-75-2 199282-77-4 199282-78-5 199282-79-6 199282-80-9
 199282-81-0 199282-82-1 199282-83-2 199282-84-3 199282-85-4
 199282-86-5 199282-87-6 199282-88-7 199282-89-8 199282-90-1
 199282-91-2 199282-92-3 199282-93-4 199282-94-5 199282-95-6
 199282-96-7 199282-97-8 199282-98-9 199282-99-0 199283-00-6
 199283-01-7 199283-02-8 199283-03-9 199283-04-0 199283-05-1
 199283-06-2 199283-07-3 199283-08-4 199283-09-5 199283-10-8
 199283-11-9 199283-12-0 199283-13-1 199283-14-2 199283-15-3
 199283-16-4 199283-17-5 199283-18-6 199283-19-7 199283-20-0
 199283-21-1 199283-22-2 199283-23-3 205131-94-8 211504-83-5
 220038-45-9 221250-27-7 259545-29-4 316819-88-2,
 2,3,5-Trihydroxyacetophenone 344268-32-2 344354-06-9 365566-60-5
 405897-14-5 408332-88-7 438526-31-9 438526-32-0 439666-13-4
 676608-06-3 676608-07-4, Chondroitin ascorbate 676608-08-5,
 Carnosine ascorbate 683226-75-7 683226-76-8, Niacinamide
 lactate 686298-78-2 697291-65-9, Phytosan 741264-99-3 786606-09-5
 788121-73-3 856055-26-0 860708-13-0 862553-41-1 869901-47-3
 887617-62-1 887617-63-2 887617-67-6 887617-68-7 887617-69-8
 887617-70-1 887617-71-2 887617-72-3 887617-73-4 887617-74-5
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 887618-75-9 887618-76-0 887618-77-1 887618-78-2 887618-79-3

887618-80-6 887618-81-7 887618-82-8 887618-83-9 887618-84-0
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 887619-05-8 887619-06-9 887619-07-0 887619-08-1 887619-09-2
 887619-10-5 887619-11-6 887619-12-7 887619-13-8 887619-14-9
 887619-15-0 887619-16-1 887619-17-2 887619-18-3 887619-19-4

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 887619-20-7 887619-21-8 887619-22-9 887619-23-0 887619-24-1
 887619-25-2 887619-26-3 887619-27-4 887619-28-5 887619-29-6
 887619-30-9 887619-31-0 887619-32-1 887619-33-2 887619-34-3
 887619-35-4 887619-36-5 887619-37-6 887619-38-7 887619-39-8
 887619-40-1 887619-41-2 887619-42-3 887619-43-4 887619-44-5
 887619-45-6 887619-46-7 887619-47-8 887619-48-9 887619-49-0
 887619-50-3 887619-51-4 887619-52-5 887619-53-6 887619-54-7
 887619-55-8 887619-56-9 887619-57-0 887619-58-1 887619-59-2
 887619-60-5 887619-61-6 887619-62-7 887619-63-8 887619-64-9
 887619-65-0 887619-66-1 887619-67-2 887619-68-3 887619-69-4
 887619-70-7 887619-71-8 887619-72-9 887619-73-0 887619-74-1
 887619-75-2 887619-76-3 887619-77-4 887619-78-5 887619-79-6
 887619-80-9 887619-81-0 887619-82-1 887619-83-2 887619-84-3
 887619-85-4 887619-86-5 887619-87-6 887619-88-7 887619-89-8
 887619-90-1 887619-91-2 887619-92-3 887619-93-4 887619-94-5
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 887620-00-0 887620-01-1 887620-02-2 887620-03-3 887620-04-4
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 887620-33-9 887620-35-1 887620-36-2 887620-37-3 887705-25-1
 887748-26-7 887748-27-8 887748-28-9 887748-29-0 887748-30-3
 887748-31-4 887748-32-5 887748-33-6 887748-34-7 887748-35-8
 887748-36-9 887748-37-0 887748-38-1 887748-39-2 887748-40-5

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 50-81-7, L-Ascorbic acid, biological studies

50-81-7U, Ascorbic acid, alkyl and aryl esters

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

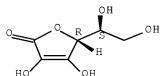
USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

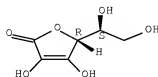
Absolute stereochemistry.



RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:1173832 CAPLUS Full-text
 DOCUMENT NUMBER: 143:426980
 TITLE: Skin compositions containing Punica granatum flower extracts
 INVENTOR(S): Yamahara, Joji
 PATENT ASSIGNEE(S): Sakamoto Yakusoen Y. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005306831	A	20051104	JP 2004-151064	20040420
PRIORITY APPLN. INFO.:			JP 2004-151064	20040420

ED Entered STN: 04 Nov 2005

AB The invention provides a skin composition characterized by containing Punica granatum flower extract as fibroblast-derived elastase inhibitor, wherein the composition has anti-aging and skin-lightening effect. Skin compns. containing further specified components are also disclosed. For example, a skin lotion containing Punica granatum flower extract 1, glycerin 3, 1,3-butylene glycol 2, polyethylene glycol 2, ethanol 5, Me paraben 0.1, xanthan gum 0.1, citric acid 0.01, sodium citrate 0.03, trimethylglycine 1, and water balance to 100 % was formulated.

IC ICM A61K007-48

ICS A61K007-00; A61K035-78; A61P017-00; A61P043-00

CC 62-4 (Essential Oils and Cosmetics)

ST Punica ext elastase inhibitor cosmetic

IT Cosmetics

(antiaging; skin compns. containing punica granatum flower extract and other active components)

IT Cosmetics

(creams; skin compns. containing punica granatum flower extract and other active components)

IT Cosmetics

(lotions; skin compns. containing punica granatum flower extract and other active components)

IT Cosmetics

(moisturizers; skin compns. containing punica granatum flower extract and other active components)

IT Cosmetics

(skin-lightening; skin compns. containing punica granatum flower extract and other active components)

IT 50-21-5, Lactic acid, biological studies 50-28-2, Estradiol, biological studies 50-33-9, Phenylbutazone, biological studies 50-70-4, Sorbitol,

biological studies 59-81-7, L-Ascorbic acid,
 biological studies 50-99-7, Glucose, biological studies 51-35-4,
 Hydroxyproline 51-84-3, Acetylcholine, biological studies 52-53-9,
 Verapamil 52-90-4, L-Cysteine, biological studies 53-86-1,
 Indomethacin 56-40-6, Glycine, biological studies 56-41-7, L-Alanine,
 biological studies 56-45-1, L-Serine, biological studies 56-65-5,
 Adenosine triphosphate, biological studies 56-81-5,
 Glycerin, biological studies 56-84-8, L-Aspartic acid, biological
 studies 56-85-9, L-Glutamine, biological studies 56-86-0, L-Glutamic
 acid, biological studies 56-87-1, L-Lysine, biological studies
 56-89-3, Cystine, biological studies 57-11-4, Stearic acid, biological
 studies 57-13-6, Urea, biological studies 57-48-7, Fructose,
 biological studies 57-50-1, Sucrose, biological studies 57-55-6,
 Propylene glycol, biological studies 57-88-5, Cholesterol, biological
 studies 58-08-2, Caffeine, biological studies 58-55-9, Theophylline,
 biological studies 58-64-0, ADP, biological studies 58-86-6, Xylose,
 biological studies 59-98-3, Tolazoline 60-18-4, L-Tyrosine, biological
 studies 60-32-2 60-92-4, Cyclic AMP 61-19-8, AMP,
 biological studies 61-68-7, Mefenamic acid 63-68-3, L-Methionine,
 biological studies 63-91-2, L-Phenylalanine, biological studies
 64-17-5, Ethanol, biological studies 65-71-4, Thymine 69-65-8,
 Mannitol 69-79-4, Maltose 69-89-6, Xanthine 70-18-8, Glutathion,
 biological studies 70-26-8, Ornithine 70-47-3, L-Asparagine,
 biological studies 71-00-1, L-Histidine, biological studies 71-30-7,
 Cytosine 72-18-4, L-Valine, biological studies 72-19-5, L-Threonine,
 biological studies 73-22-3, L-Tryptophan, biological studies 73-24-5,
 Adenine, biological studies 73-32-5, L-Isoleucine, biological studies
 73-40-5, Guanine 74-79-3, L-Arginine, biological studies 77-92-9,
 Citric acid, biological studies 79-14-1, Glycolic acid, biological
 studies 81-13-0, Panthenol 87-69-4, Tartaric acid, biological studies
 87-99-0, Xylitol 97-59-6, Allantoin 98-79-3, Pyrrolidone carboxylic
 acid 99-20-7, Trehalose 107-88-0, 1,3-Butyleneglycol 108-46-3,
 1,3-Benzenediol, biological studies 110-15-6, Succinic acid, biological
 studies 110-27-0, Isopropyl myristate 111-01-3, Squalene 111-02-4,
 Squalene 112-85-6, Behenic acid 112-92-5, Stearyl alcohol 115-77-5,
 Pentaerythritol, biological studies 122-48-5, Zingerone 123-31-9,
 Hydroquinone, biological studies 128-37-0, Dibutylhydroxytoluene,
 biological studies 134-03-2, Sodium ascorbate 137-66-6,
 L-Ascorbyl palmitate 146-14-5, Flavin adenine dinucleotide 147-85-3,
 L-Proline, biological studies 149-32-6, Erythritol 149-91-7, Gallic
 acid, biological studies 298-57-7, Cinnarizine 331-39-5, Caffeic acid
 372-75-8, Citrulline 404-86-4, Capsaicin 456-59-7, Cycloandelate
 463-40-1, α -Linolenic acid 481-49-2, Cepharranthine 489-84-9,
 Guaiazulene 497-76-7, Arbutin 506-26-3, γ -Linolenic acid
 544-62-7, Batyl alcohol 544-63-8, Myristic acid, biological studies
 551-15-5, Liquiritin 585-88-6, Maltitol 593-31-7, Selachylalcohol
 1135-24-6, Ferulic acid 1190-94-9, Hydroxylysine 1197-18-8, Tranexamic
 acid 1405-86-3, Glycyrrhizic acid 1406-16-2, Vitamin D 1406-18-4,
 Vitamin E 2444-46-4, Nonylic acid vanillyl amide 2568-33-4,
 Isopreneglycol 3081-61-6, Theanine 5041-81-6, IsoLiquiritin
 5743-27-1, Calcium ascorbate 6556-11-2, Inositol
 hexanicotinate 6915-15-7, Malic acid 7665-99-8, Cyclic GMP
 7678-95-7, Ethenyl estradiol 8029-68-3, Ichthammol 9004-53-9, Dextrin
 9004-61-9, Hyaluronic acid 9004-73-3, Polymethylsiloxane 9005-12-3,
 Methylphenylpolysiloxane 9005-32-7, Alginate acid 9005-49-6, Heparin,
 biological studies 9007-28-7, Chondroitin sulfate 9050-30-0
 9056-36-4, Keratan sulfate 9067-32-7, Sodium hyaluronate 10417-94-4,
 Eicosapentaenoic acid 11042-64-1, γ -Orianol 11103-57-4, Vitamin
 A 12001-76-2, Vitamin B 15307-79-6, Sodium diclofenac 15421-15-5,

Potassium ascorbate 15431-40-0, Magnesium ascorbate
 15687-27-1, Ibuprofen 22071-15-4, Ketoprofen 24967-94-0, Dermatan
 sulfate 25013-16-5 25395-66-8, L-Ascorbyl stearate 28474-90-0,
 L-Ascorbyl dipalmitate 28518-50-5, L-Ascorbic acid monooleate
 29710-31-4, Cetyl octanoate 32381-28-5, N,N'-Diacetylcystine dimethyl
 ester 35602-69-8, Cholesteryl stearate 36653-82-4, Cetanol
 56939-67-4 59870-68-7, Glabridin 60008-03-9, Glabrene 74438-74-7, L-
 Ascorbic acid distearate 92353-27-0, L-Ascorbic acid
 dioleate 103000-77-7, Glycyrrhizinic acid 108910-78-7 110369-28-3
 110369-30-7 110369-32-9 110369-35-2 110369-36-3 122715-02-0,
 α-Borneol 123638-49-3, Aluminum ascorbate 125913-31-7
 128808-19-5 128808-20-8 128808-21-9 128808-22-0, L-Ascorbic
 acid sulfate sodium salt 128808-23-1 128808-24-2 128808-25-3
 128808-26-4 129499-78-1, L-Ascorbic acid glucoside
 138069-07-5 161436-56-2, L-Ascorbyl tetraisoalmitate 185323-25-5
 404566-00-3, L-Ascorbic acid Isoalmitate 745794-24-5
 745794-25-6

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(skin comps. containing punica granatum flower extract and other active
 components)

IT 50-81-7, L-Ascorbic acid, biological studies
 60-92-4, Cyclic AMP 61-19-8, AMP, biological studies
 129499-78-1, L-Ascorbic acid glucoside

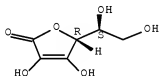
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(skin comps. containing punica granatum flower extract and other active
 components)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

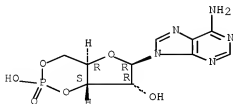
Absolute stereochemistry.



RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

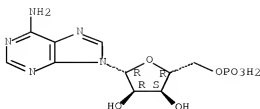
Absolute stereochemistry.



RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

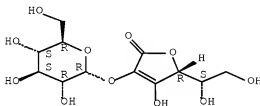
Absolute stereochemistry.



RN 129499-78-1 CAPLUS

CN L-Ascorbic acid, 2-O- α -D-glucopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2004:162578 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 140:187005

TITLE: Antiaging compositions containing ascorbates and adenylic acids

INVENTOR(S): Wakamatsu, Kosaburo; Harano, Fumiki; Koba, Takashige; Shinohara, Shigeo

PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004016238	A1	20040226	WO 2003-JP9783	20030801
W: AU, BR, CA, CN, ID, IN, KR, PH, US				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
JP 2004067576	A	20040304	JP 2002-228368	20020806
CA 2493496	A1	20040226	CA 2003-2493496	20030801
AU 2003252312	A1	20040303	AU 2003-252312	20030801
EP 1547577	A1	20050629	EP 2003-788027	20030801
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
BR 2003013274	A	20050705	BR 2003-13274	20030801
CN 1674863	A	20050928	CN 2003-818967	20030801
US 20050250710	A1	20051110	US 2005-523605	20050204
PRIORITY APPLN. INFO.:				
			JP 2002-228368	A 20020806
			WO 2003-JP9783	W 20030801

ED Entered STN: 29 Feb 2004

AB It is intended to provide an antiaging composition by which skin aging can be effectively retarded and, in particular, skin pigmentation can be improved. It is also intended to provide a method of potentiating the antiaging effect of ascorbic acid or its analog. Namely, an antiaging composition characterized by containing (A) at least one member selected from the group consisting of ascorbic acid, its derivs. and salts thereof; and (B) a purine nucleic acid-related substance. A method of using (A) at least one member selected from the group consisting of ascorbic acid, its derivs. and salts thereof together with (B) a purine nucleic acid-related substance to thereby potentiate the antiaging effect of the component A. For example, a lotion contained AMP 2, ascorbic acid 2-glucoside 2, 1,3-butylene glycol 2, concentrated glycerin 2, polyoxyethylene sorbitan monolaurate 1, ethanol 5, preservatives q.s., pH modifiers to pH 6.5, and distilled water balance to 100 %.

IC ICM A61K007-48

ICS A61K007-00; A61K031-375; A61K031-7076; A61P017-00; A61P043-00

CC 62-4 (Essential Oils and Cosmetics)

ST antiaging cosmetic ascorbate
adenosine phosphate; skin lightening
cosmetic ascorbate adenosine phosphate

IT Cosmetics
(antiaging; antiaging cosmetics containing
ascorbate and adenosine phosphate)

IT Cosmetics
(skin-lightening; antiaging cosmetics
containing ascorbate and adenosine phosphate)

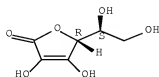
IT 50-81-7, L-Ascorbic acid, biological studies
60-92-4, Cyclic adenosine 3',5'-monophosphate
61-19-8, Adenosine 5'-monophosphate,
biological studies 84-21-9, Adenosine 3'-
monophosphate 130-49-4, Adenosine 2'-
monophosphate 4578-31-8, Adenosine 5'-
monophosphate disodium salt 27556-18-9 119588-63-5
129499-78-1, L-Ascorbic acid 2-glucoside 183476-82-6
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(antiaging cosmetics containing ascorbate and
adenosine phosphate)

IT 50-81-7, L-Ascorbic acid, biological studies
60-92-4, Cyclic adenosine 3',5'-monophosphate
61-19-8, Adenosine 5'-monophosphate,
biological studies 84-21-9, Adenosine 3'-
monophosphate 130-49-4, Adenosine 2'-
monophosphate 4578-31-8, Adenosine 5'-
monophosphate disodium salt 129499-78-1, L-
Ascorbic acid 2-glucoside
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(antiaging cosmetics containing ascorbate and
adenosine phosphate)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

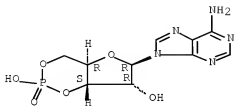
Absolute stereochemistry.



RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

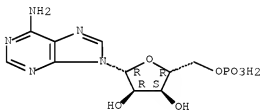
Absolute stereochemistry.



RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

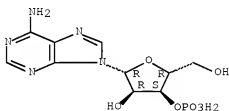
Absolute stereochemistry.



RN 84-21-9 CAPLUS

CN 3'-Adenylic acid (CA INDEX NAME)

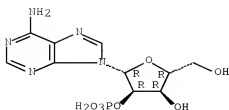
Absolute stereochemistry. Rotation (-).



RN 130-49-4 CAPLUS

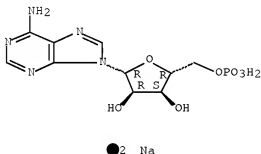
CN 2'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



RN 4578-31-8 CAPLUS
CN 5'-Adenylic acid, sodium salt (1:2) (CA INDEX NAME)

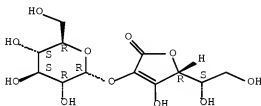
Absolute stereochemistry.



● 2 Na

RN 129499-78-1 CAPLUS
CN L-Ascorbic acid, 2-O-α-D-glucopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L64 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:934139 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 141:400499
TITLE: Cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations
INVENTOR(S): Gupta, Shyam K.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 9 pp.
DOCUMENT TYPE: CODEN: USXXCO
LANGUAGE: Patent
English

FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040219124	A1	20041104	US 2003-249701	20030501
US 20060198805	A1	20060907	US 2005-164709	20051202
PRIORITY APPLN. INFO.:			US 2003-249701	A2 20030501

ED Entered STN: 06 Nov 2004

AB The present invention discloses a novel ion-pair delivery system based mask compns. for face, hair, skin, and body applications. These compns. come off from the site of their application essentially in one piece with the appearance, for example, of a piece of sea-weed or a continuous film. These mask compns. are suitable for a variety of delivery system methods, such as peel-off mask, moisturizing mask, exfoliating mask, prosthetic mask, soaking mask, depilatory mask, rub-off mask, two-phase mask, two-compartment mask, heat-releasing mask, and such. These mask compns. are made from the biopolymer based films that are cross-linked with divalent or trivalent metal cations. During the crosslinking process, such divalent and trivalent metal cations may also act as release agents for other face, hair, skin, and body beneficial compns. in their enhanced bioavailable forms by an ion-pair activation mechanism.

IC ICM A61K007-06

INCL 424070130

CC 52-4 (Essential Oils and Cosmetics)

ST cosmetic pharmaceutical ion pair delivery system mask; mask biopolymer film crosslinked metal cation skin care

IT Seawater
 (Dead sea, salt from; cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT Zingiber officinale
 (Root; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (age-spot, reduction of; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (aging, wrinkles; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
 (amphoteric; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
 (anionic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Pinus
 (bark; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Spheres
 (beads; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Tea products

- (beverages, green; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Coloring
 - (body; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Surfactants
 - (cationic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Skin
 - (cellulite; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Cosmetics
 - (cleansing; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Solutions
 - (clear; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Lipoproteins
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (complexes; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Hair preparations
 - (conditioners; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Anesthetics
- Coloring materials
- Crithmum
- Foeniculum vulgare
- Pelvetia
 - (cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)
- IT Carotenes, biological studies
- Cocoa butter
- Kaolin, biological studies
- Petrolatum
- Phenolic resins, biological studies
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
- (cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)
- IT Acne
- Aesculus hippocastanum
- Alaria (seaweed)
- Alteromonas
- Ammi visnaga
- Anacystis
- Analgesics
- Andrographis paniculata
- Anti-inflammatory agents
- Antimicrobial agents
- Antioxidants

Arctostaphylos uva-ursi
 Arnica montana
 Aspergillus oryzae
 Berry
 Boswellia
 Boswellia serrata
 Broussonetia papyrifera
 Calendula officinalis
 Centella asiatica
 Ceramium
 Chlorella
 Chondrus
 Citrus sinensis
 Codium
 Colloids
 Corallina
 Cordia schomburgkii
 Corynanthe johimbe
 Crosslinking
 Curcuma longa
 Eisenia (seaweed)
 Emblica
 Enteromorpha
 Filipendula ulmaria
 Fucus
 Fungicides
 Garcinia
 Garcinia cambogia
 Garcinia mangostana
 Gelidium
 Glycyrrhiza glabra
 Gochnatia blanchetiana
 Gymnema sylvestre
 Haematococcus
 Hair
 Hedera helix
 Hibiscus furcellatus
 Humectants
 Hypericum perforatum
 Hypnea
 Kaempferia galanga
 Laminaria
 Leukocyte
 Lycopersicon esculentum
 Macrocystis
 Mangifera indica
 Maprounea guianensis
 Marisa
 Melilotus officinalis
 Microemulsions
 Mitracarpus scaber
 Monostroma
 Olea europaea
 Orange
 Orthosiphon
 Palmaria
 Panax
 Panax ginseng
 Perfumes
 Phaeodactylum

Phaseolus vulgaris
Phyllanthus emblica
 Plankton
Plectranthus barbatus
Polygonum cuspidatum
 Porphyra
Potentilla erecta
 Preservatives
Punica granatum
Randia armata
 Rhodophyta
Rosmarinus officinalis
Rumex crispus
Rumex occidentalis
Ruscus aculeatus
Salvia officinalis
Sargassum
 Seaweed
 Seed
Siegesbeckia orientalis
 Solubilizers
 Spirulina
Spondias mombin
 Suspensions
Tagetes patula
 Tephrosia
Terminalia sericea
 Thermus
Trigonella foenum-graecum
Ulva lactuca
 Undaria
Vaccinium myrtillus
 Vasoconstrictors
 Vasodilators
Waltheria indica
 (cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic
 uses thereof)
 IT Biopolymers
 Clays, biological studies
 Collagens, biological studies
 Gelatins, biological studies
 Hormones, animal, biological studies
 Mica-group minerals, biological studies
 Minerals, biological studies
 Peptides, biological studies
 Polymers, biological studies
 Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic
 uses thereof)
 IT Infection
 (cutaneous; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
 IT Cosmetics
 (emollients; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)

- IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (excess topical fat reduction; cosmetic and pharmaceutical
 ion-pair delivery system based masks comprising plant exts. and
 cosmetic and therapeutic uses thereof)
- IT Skin
 (exfoliating; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Algae
 (extract; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Embryophyta
 Plants
 (exts.; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Head and Neck
 (face; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Plantago psyllium
 (husk; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy, poly; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising biopolymer based films cross-linked with
 metal cations)
- IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Skin, disease
 (infection; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Skin, disease
 (lesion; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Coating materials
 (masking; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Circulation
 (microcirculation, disorder, improvement of; cosmetic and
 pharmaceutical ion-pair delivery system based masks comprising plant
 exts. and cosmetic and therapeutic uses thereof)
- IT Cosmetics
 (moisturizers; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)
- IT Surfactants
 (nonionic; cosmetic and pharmaceutical ion-pair delivery
 system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)

- IT Resins
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oleoresins, capsicum; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)
- IT Luffa
 - (particle; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Skin, disease
 - (pimples; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Sulfonic acids, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(poly; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)
- IT Metals, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyvalent; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT UV A radiation
 - UV B radiation
(protection; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Vitamins
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(provitamin; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Glycyrrhiza
 - (root; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Skin, disease
 - (rosacea; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Cola (plant)
 - Vitis vinifera
(seed; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Nut (seed)
 - (shell, broken seed; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Cosmetics
 - (skin-lightening, brightening agents; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Permeation enhancers
 - (skin; ~~cosmetic~~ and pharmaceutical ion-pair delivery system based masks comprising plant exts. and ~~cosmetic~~ and therapeutic uses thereof)
- IT Skin, disease
 - (spider vein; ~~cosmetic~~ and pharmaceutical ion-pair delivery

- system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Skin, disease
(stretch mark, reduction of; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Nanoparticles
(suspensions, emulsions; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Elastins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(synthesis booster; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Hibiscus sabdariffa
(tea; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Cations
(trivalent, divalent; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Emulsions
(water and oil; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Camellia sinensis
(white; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT Surfactants
(zwitterionic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT 9002-88-4, Polyethylene
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ball; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)
- IT 50-21-5, Lactic acid, biological studies 50-81-7,
Ascorbic acid, biological studies 50-81-7D,
Ascorbic acid, DNA conjugates 51-67-2, Tyramine 53-41-8,
Androsterone 53-43-0, Dehydroepiandrosterone 56-81-5, Glycerin,
biological studies 57-13-6, Urea, biological studies 57-83-0,
Progesterone, biological studies 58-22-0, Testosterone 58-85-5, Biotin
59-30-3, Folic acid, biological studies 59-67-6D, Niacin, Esters
63-05-8, Androstenedione 69-72-7, Salicylic acid, biological studies
70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1,
Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1,
Glycolic acid, biological studies 83-72-7, Lawsone 90-64-2, Mandelic
acid 93-60-7, Methyl Nicotinate 94-44-0, Benzyl Nicotinate 94-62-2,
Piperine 97-59-6, Allantoin 100-51-6, Benzyl Alcohol, biological
studies 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin
118-56-9, Homosalate 118-60-5 122-99-6, Phenoxylethanol 123-31-9,
Hydroquinone, biological studies 127-40-2, Lutein 131-57-7,
Benzophenone-3 134-09-8, Menthyl anthranilate 136-44-7 145-13-1,
Pregnenolone 146-48-5, Yohimbine 150-13-0, PABA 153-18-4, Rutin
299-28-5, Calcium gluconate 327-97-9, Chlorogenic acid 370-98-9,
N-Methyltyramine 404-86-4, Capsaicin 471-34-1, Calcium carbonate,

biological studies 471-53-4, Glycyrrhetic acid 472-11-7, Ruscogenin 472-61-7, Astaxanthin 476-66-4, Ellagic acid 491-70-3, Luteolin 497-76-7, Arbutin 502-65-8, Lycopene 512-04-9, Diosgenin 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic Acid 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1, Hordenine 546-93-0, Magnesium carbonate 557-34-6, Zinc acetate 824-35-1, Calcium salicylate 1200-22-2, Lipoic acid 1303-96-4, Borax 1314-13-2, Zinc oxide, biological studies 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1406-18-4D, Vitamin E, derivs. 1987-71-9 2174-16-5, Trolamine salicylate 3486-35-9, Zinc carbonate 4065-45-6, Benzophenone-4 4468-02-4, Zinc gluconate 4773-96-0, Mangiferin 5001-51-4, Calcium lactobionate 5466-77-3 5508-58-7, Andrographolide 5743-27-1, Calcium ascorbate 6147-11-1, Mangostin 6197-30-4, Octocrylene 6805-41-0, Escin 6829-55-6, Tocotrienol 6915-15-7, Malic acid 7446-70-0, Aluminum chloride, biological studies 7487-88-9, Epsom salt, biological studies 7646-85-7, Zinc chloride, biological studies 7693-13-2, Calcium citrate 7778-18-9, Calcium sulfate 7779-25-1, Magnesium citrate 7786-30-3, Magnesium chloride, biological studies 8063-16-9, Psyllium 9003-01-4, Polyacrylic acid 9003-01-4D, Polyacrylic acid, TEA derivs., 9003-03-6, Ammonium polyacrylate 9003-04-7, Sodium polyacrylate 9004-61-9, Hyaluronic acid 9005-32-7, Alginic acid 9005-32-7D, Alginic acid, TEA derivs., 9005-34-9, Ammonium alginate 9005-36-1, Potassium alginate 9005-38-3, Algin 9006-65-9, Dimethicone 10043-35-3, Boric acid, biological studies 10043-52-4, Calcium chloride, biological studies 10124-37-5, Calcium nitrate 10216-17-8, Hydroxytetronic acid 11103-57-4, Vitamin A 11138-66-2, Xanthan gum 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium dioxide, biological studies 14476-25-6, Calamine 15431-40-0, Magnesium ascorbate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid 18917-89-0, Magnesium salicylate 20283-92-5, Rosmarinic acid 21645-51-2, Aluminum hydroxide, biological studies 25608-12-2, Potassium polyacrylate 27556-18-9 27750-10-3, Hydroxycitric acid 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 57448-83-6 59219-65-7, Darutoside 70356-09-1, Avobenzene 71010-52-1, Gellan gum 94231-35-3 121250-47-3, Conjugated linoleic acid 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3 676608-07-4 676608-08-5 683226-75-7 697291-65-9, Phytosan 728945-82-2, Azaftig 736997-34-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

- IT 50-81-7D, Ascorbic acid, derivs. 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 57-00-1, Creatine 57-60-3, Pyruvate, biological studies 58-08-2, Caffeine, biological studies 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 60-33-3D, Linoleic acid, 9-cis, 11-trans Conjugated, biological studies 83-67-0, Theobromine 101-20-2, Trilocarban 127-17-3, Pyruvic acid, biological studies 147-81-9, Arabinose 305-84-0, Carnosine 317-34-0, Aminophylline 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 501-36-0, Resveratrol 541-15-1, Carnitine 548-04-9, Hypericin 1399-64-0, Gymnemic acid 2086-83-1, Berberine 3380-34-5, Triclosan 7631-86-9, Silica, biological studies 9000-01-5, Arabic gum 9000-07-1, Carrageenan 9000-40-2, Locust bean gum 9000-69-5, Pectin 9002-18-0, Agar 9002-72-6, Somatotropin 9012-76-4, Chitosan 9072-19-9, Fucoidan 9088-07-7, Natriuretic peptide 12597-72-7, Triton (particle)

14639-25-9 56996-83-9, Phaseolamin

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic
 uses thereof)

IT 50-81-7, Ascorbic acid, biological studies

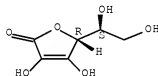
50-81-7D, Ascorbic acid, DNA conjugates

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising biopolymer based films cross-linked with metal
 cations)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

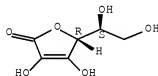
Absolute stereochemistry.



RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic
 uses thereof)

L64 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:877940 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 141:370229

TITLE: Controlled-release nano-diffusion delivery systems for
 cosmetic and pharmaceutical compositions

INVENTOR(S): Gupta, Shyam K.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 11

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US 20060127430	A1	20060615	US 2006-307824	20060224
US 20070166339	A1	20070719	US 2007-684702	20070312
US 20070237834	A1	20071011	US 2007-760466	20070608
PRIORITY APPLN. INFO.:			US 2003-418495	A2 20030418
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			US 2004-710011	A2 20040611
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ED Entered STN: 22 Oct 2004

AB The present invention discloses the utilization of zeolites for controlled-release of cosmetic and pharmaceutical compns. by nano-diffusion technol. The treatment and protection of skin surface requires that certain compns. be delivered to the skin surface and allowed to remain on the skin surface for as long as possible before such ingredients are absorbed into deeper layers of skin and carried into the bloodstream. Zeolites do not absorb into the skin, which is useful for topical delivery of cosmetic and pharmaceutical compns., for example antiaging, anti-wrinkle, antioxidants, skin whitening, acne treatment, rosacea treatment, sun screens, UV blocks, anesthetics, skin soothers, anti-irritants, anti-inflammatory agents, vitamins, hormones, and such that are electronically attached to the outer surfaces of such zeolites and are released to the outer surface of skin by a diffusion-controlled thermodyn. process. An anhydrous face mask controlled-release antiaging composition with heat-releasing effect. comprises magnesium sulfate (anhydrous) 30.0, glycerin 49.0, sodium potassium aluminosilicate (Zeolite A3) 20.0, an antiaging composition (an equal weight mixture of tetrahydrocurcumin, niacinamide lactate, copper ATP complex, glutathione, and carnosine)1.0%.

IC ICM A61K031-401

ICS A61K007-00

INCL 424401000; 514423000

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST controlled release diffusion delivery system cosmetic pharmaceutical

IT Skin, disease

(aging; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants

(amphoteric; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants

(anionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT DNA

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(ascorbate salts; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Pinus

(bark extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Soaps

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(bars; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems

(beads; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants

(cationic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Skin

- (cellulite; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - (cleansing; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Lipoproteins
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (complexes; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Hair preparations
 - (conditioners; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Acne
 - Analgesics
 - Anesthetics
 - Anti-inflammatory agents
 - Antimicrobial agents
 - Antioxidants
 - Colloids
 - Colognes
 - Cordia schomburgkii
 - Dyes
 - Fungicides
 - Gouania blanchetiana
 - Hibiscus furcellatus
 - Humectants
 - Olea europaea
 - Perfumes
 - Permeation enhancers
 - Preservatives
 - Randia armata
 - Shampoos
 - Solubilizers
 - Sunscreens
 - UV A radiation
 - UV B radiation
 - (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Aluminosilicates, biological studies
 - Carotenes, biological studies
 - Clays, biological studies
 - Cocoa butter
 - Collagens, biological studies
 - Hormones, animal, biological studies
 - Kaolin, biological studies
 - Mica-group minerals, biological studies
 - Minerals, biological studies
 - Petrolatum
 - Quaternary ammonium compounds, biological studies
 - Vitamins
 - Zeolites (synthetic), biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Polysiloxanes, biological studies
 - RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

- IT Drug delivery systems
(controlled-release; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
(creams; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
Drug delivery systems
(emollients; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
Drug delivery systems
(emulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Andrographis paniculata
Arnica montana
Calendula officinalis
Centella asiatica
Citrus sinensis
Curcuma longa
Filipendula ulmaria
Garcinia
Garcinia cambogia
Garcinia mangostana
Haematococcus
Hedera
Hedera helix
Hypericum perforatum
Leukocyte
Lycopersicon esculentum
Mangifera indica
Orange
Orthosiphon stamineus
Panax ginseng
Phaseolus vulgaris
Plectranthus barbatus
Polygonum cuspidatum
Punica granatum
Rosmarinus officinalis
Ruscus aculeatus
Salvia officinalis
Tagetes patula
Trigonella foenum-graecum
Vaccinium myrtillus
(extract, controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Ammi visnaga
Arctostaphylos uva-ursi
Aspergillus oryzae
Boswellia serrata
Broussonetia kazinoki
Camellia sinensis
Corynanthe johimbe
Ecklonia cava
Emblica
Glycyrrhiza glabra
Kaempferia galanga
Maprounea guianensis
Melilotus officinalis
Mitracarpus scaber

- Phyllanthus emblica
- Potentilla erecta
- Rumex crispus
- Rumex occidentalis
- Siegesbeckia orientalis
- Spondias mombin
- Terminalia sericea
- Vitis vinifera
- Zingiber officinale
 - (extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Waltheria indica
 - (exts.; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - (face packs; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - Drug delivery systems
 - (gels; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Plantago psyllium
 - (husk; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Carboxylic acids, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (hydroxy; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - (lipsticks; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Soaps
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (liquid; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - Drug delivery systems
 - (lotions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Circulation
 - (microcirculation, blood; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Drug delivery systems
 - (microemulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Cosmetics
 - (moisturizers; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Drug delivery systems
 - (nanoparticles; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Surfactants
 - (nonionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Bath preparations
 - (oils; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
- IT Drug delivery systems
 - (ointments, creams; controlled-release nano-diffusion delivery systems

- for cosmetic and pharmaceutical compns.)
- IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(poly; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polycarboxylic; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Phenols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polyphenols, nonpolymeric; controlled-release nano-diffusion delivery
systems for cosmetic and pharmaceutical compns.)
- IT Adipose tissue
(reduction; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Skin, disease
(rosacea; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Cola (plant)
(seed extract; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Cosmetics
(skin-lightening; controlled-release nano-diffusion delivery
systems for cosmetic and pharmaceutical compns.)
- IT Drug delivery systems
(sprays; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Cosmetics
(sticks; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Drug delivery systems
(suspensions; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Elastins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(synthesis stimulants; controlled-release nano-diffusion delivery
systems for cosmetic and pharmaceutical compns.)
- IT Vein, disease
(varicose; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT Cosmetics
(wrinkle-preventing; controlled-release nano-diffusion delivery systems
for cosmetic and pharmaceutical compns.)
- IT Surfactants
(zwitterionic; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT 9002-88-4, Polyethylene
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(balls; controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)
- IT 9004-70-0, Collodion
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)

IT 50-21-5, Lactic acid, biological studies 58-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, derivs. 51-67-2, Tyramine 53-41-8, Androsterone 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 57-00-1, Creatine 57-13-6, Urea, biological studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine, biological studies 58-22-0, Testosterone 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5, Biotin 59-30-3, Folic Acid, biological studies 63-05-8, Androstenedione 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic acid 94-62-2, Piperine 97-59-6, Allantoin 98-92-0, Niacinamide 98-98-6D, Picolinic acid, chromium complexes 100-51-6, Benzyl Alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 122-99-6, Phenoxyethanol 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, derivs. 127-17-3, Pyruvic acid, biological studies 127-17-3D, salts 127-40-2, Lutein 131-57-7, Benzophenone-3 134-09-8, Menthyl anthranilate 145-13-1, Pregnenolone 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 302-79-4, Retinoic acid 305-84-0, Carnosine 317-34-0, Aminophylline) 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 471-53-4, Glycyrrhetic acid 476-66-4, Ellagic acid 477-32-7, Visnadine 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin 497-76-7, Arbutin 501-36-0, Resveratrol 502-65-8, Lycopene 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic acid 528-58-5, Cyanidin 539-15-1, Hordenine 541-15-1, L-Carnitine 557-34-6, Zinc acetate 602-41-5, Thiocholchicoside 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9, Nicotinamide ascorbate 2086-83-1, Berberine 2174-16-5, Trolamine salicylate 2420-56-6 2540-56-9, 9-cis-11-trans-Linoleic acid 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 4065-45-6, Benzophenone-4 4773-96-0, Mangiferin 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 5508-58-7, Andrographolide (6147-11-1, Mangostin 6197-30-4, Octocrylene 6829-55-6, Tocotrienol 6915-15-7, Malic acid 7439-96-5, Manganese, biological studies 7440-47-3D, Chromium, picolinate complexes 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7631-86-9, Silica, biological studies 8011-96-9, Calamine 9002-72-6, Somatotropin 9004-61-9, Hyaluronic acid 9006-65-9, Dimethicone 9012-76-4, Chitosan 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13463-18-8, Glutathione ascorbate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid 20283-92-5, Rosmarinic acid 27750-10-3, Hydroxycitric acid 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9, Phaseolamin 57448-83-6 59219-65-7, Darutoside 70356-09-1, Avobenzone 94231-35-3 120718-57-2 121250-47-3, Conjugated linoleic acid 125913-31-7, Ascorbyl phosphate 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3 676608-07-4, Chondroitin ascorbate 676608-08-5, Carnosine ascorbate 683226-75-7 697291-65-9, Phytosan 728945-82-2, Azafitig

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)

IT 50-81-7, Ascorbic acid, biological studies

50-81-7D, Ascorbic acid, derivs.

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

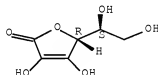
USES (Uses)

(controlled-release nano-diffusion delivery systems for
cosmetic and pharmaceutical compns.)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

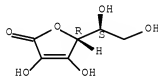
Absolute stereochemistry.



RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:681187 CAPLUS Full-text

DOCUMENT NUMBER: 141:194959

TITLE: Skin firming anti-aging
cosmetic compositions

INVENTOR(S): Gupta, Shyam K.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20040161435	A1	20040819	US 2003-248753	20030214
PRIORITY APPLN. INFO.:			US 2003-248753	20030214

ED Entered STN: 20 Aug 2004

AB Cosmetic mask compns. suitable for face, neck, chin or body applications are disclosed. These compns. synergistically combine at least 1 skin beneficial cosmetic or pharmaceutical composition with at least one composition to promote excess fat reduction, cellulite control, or muscle toning benefits.

The mask composition also contains at least one binder composition that binds with other beneficial ingredients by electrostatic, atomic, or ionic charges to synergistically enhance their topical site-specific benefits. These mask compns. are suitable for a variety of delivery system methods that include, e.g., peel-off mask, leave-in mask, moisturizing mask, and exfoliating mask. Thua, a facial mask composition contained chitosan 5.0, lactic acid 5.0, glycerin 18.0, water 65.8, hydroxycitric acid 5.0, niacinamide 0.5, glutathione, and preservatives 0.5%.

IC ICM A61K007-42
ICS A61K007-06; A61K007-00; A61K035-78
INCL 424401000; 424074000; 424725000; 424059000
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
ST skin firming antiaging cosmetic
IT Skin, disease
(aging; skin firming anti-aging cosmetic compns.)
IT Surfactants
(amphoteric; skin firming anti-aging cosmetic compns.)
IT Surfactants
(anionic; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(antiaging; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(balms; skin firming anti-aging cosmetic compns.)
IT Pinus
(bark exts.; skin firming anti-aging cosmetic compns.)
IT Soaps
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(bars; skin firming anti-aging cosmetic compns.)
IT Oryza sativa
(bran, husk; skin firming anti-aging cosmetic compns.)
IT Surfactants
(cationic; skin firming anti-aging cosmetic compns.)
IT Skin
(cellulite; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(cleansing; skin firming anti-aging cosmetic compns.)
IT Lipoproteins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(complexes; skin firming anti-aging cosmetic compns.)
IT Hair preparations
(conditioners; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(creams; skin firming anti-aging cosmetic compns.)

IT Infection
(cutaneous; skin firming anti-aging
cosmetic compns.)

IT Cosmetics
(depilatories; skin firming anti-aging
cosmetic compns.)

IT Cyclosiloxanes
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(di-Me; skin firming anti-aging cosmetic
compns.)

IT Cosmetics
Drug delivery systems
(emollients; skin firming anti-aging
cosmetic compns.)

IT Cosmetics
Drug delivery systems
(emulsions; skin firming anti-aging
cosmetic compns.)

IT Aesculus
Ammi visnaga
Andrographis paniculata
Arnica montana
Boswellia serrata
Calendula officinalis
Capsicum
Centella asiatica
Chamomile
Citrus sinensis
Cola (plant)
Curcuma longa
Emblica
Embryophyta
Filipendula ulmaria
Garcinia cambogia
Garcinia mangostana
Gymnema sylvestre
Haematococcus
Hedera helix
Hibiscus sabdariffa
Hypericum perforatum
Laminaria
Lycopersicon esculentum
Mangifera indica
Melilotus officinalis
Olea europaea
Orange
Orthosiphon stamineus
Panax
Panax ginseng
Phaseolus vulgaris
Phyllanthus emblica
Plants
Plectranthus barbatus
Polygonum cuspidatum
Potentilla erecta
Punica granatum
Rosmarinus officinalis
Ruscus aculeatus
Salvia officinalis

- Siegesbeckia orientalis
- Tagetes patula
- Tephrosia
- Terminalia sericea
- Vaccinium myrtillus
- Vitis vinifera
- Zingiber officinale
 - (exts.; skin firming anti-aging cosmetic compns.)
- IT Medical goods
 - (face masks; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
 - (face packs; skin firming anti-aging cosmetic compns.)
- IT Trigonella foenum-graecum
 - (fibers; skin firming anti-aging cosmetic compns.)
- IT Glycine max
 - (flour and meal; skin firming anti-aging cosmetic compns.)
- IT Avena sativa
 - (flour; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
 - (gels; skin firming anti-aging cosmetic compns.)
- IT Tea products
 - (green, exts.; skin firming anti-aging cosmetic compns.)
- IT Carboxylic acids, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (hydroxy; skin firming anti-aging cosmetic compns.)
- IT Skin, disease
 - (infection; skin firming anti-aging cosmetic compns.)
- IT Soaps
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (liquid; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
 - (lotions; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
 - Drug delivery systems
 - (microemulsions; skin firming anti-aging cosmetic compns.)
- IT Proteins
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (milk; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
 - (moisturizers; skin firming anti-aging cosmetic compns.)
- IT Drug delivery systems
 - (nanoparticles; skin firming anti-aging

- cosmetic compns.)
- IT Surfactants
 - (nonionic; skin firming anti-aging cosmetic compns.)
- IT Flours and Meals
 - (oat; skin firming anti-aging cosmetic compns.)
- IT Bath preparations
 - (oils; skin firming anti-aging cosmetic compns.)
- IT Phenols, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 - (polyphenols, nonpolymeric; skin firming anti-aging cosmetic compns.)
- IT Egg
 - (powders; skin firming anti-aging cosmetic compns.)
- IT Triticum aestivum
 - (proteins of; skin firming anti-aging cosmetic compns.)
- IT Bran
 - (rice, husk; skin firming anti-aging cosmetic compns.)
- IT Skin, disease
 - (rosacea; skin firming anti-aging cosmetic compns.)
- IT Acne
- Analgesics
- Anesthetics
- Anti-inflammatory agents
- Antimicrobial agents
- Antioxidants
- Avena sativa
- Circulation
- Colloids
- Colognes
- Cotton fibers
- Dyes
- Fungicides
- Gums and Mucilages
- Humectants
- Inflammation
- Kaempferia galanga
- Milk
- Pain
- Perfumes
- Permeation enhancers
- Photoprotectants
- Preservatives
- Prosthetic materials and Prosthetics
- Shampoos
- Silk
- Skin
- Solubilizers
- Sunscreens
- Surfactants
- Vasoconstrictors
- Vasodilators
- Wheat flour

- (skin firming anti-aging cosmetic compns.)
- IT Bentonite, biological studies
- Carbohydrates, biological studies
- Carotenes, biological studies
- Caseins, biological studies
- Clays, biological studies
- Cocoa butter
- Collagens, biological studies
- Elastins
- Hormones, animal, biological studies
- Kaolin, biological studies
- Mica-group minerals, biological studies
- Minerals, biological studies
- Petrolatum
- Polysiloxanes, biological studies
- Quaternary ammonium compounds, biological studies
- Tocopherols
- Vitamins
- Zeolites (synthetic), biological studies
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
- (skin firming anti-aging cosmetic compns.)
- IT Cosmetics
- (skin-lightening; skin firming anti-aging cosmetic compns.)
- IT Flours and Meals
- (soybean; skin firming anti-aging cosmetic compns.)
- IT Proteins
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
- (soybean; skin firming anti-aging cosmetic compns.)
- IT Cosmetics
- (sticks; skin firming anti-aging cosmetic compns.)
- IT Drug delivery systems
- (suspensions; skin firming anti-aging cosmetic compns.)
- IT Drug delivery systems
- (topical; skin firming anti-aging cosmetic compns.)
- IT Vein, disease
- (varicose; skin firming anti-aging cosmetic compns.)
- IT Vaccinium
- (vulgaris exts.; skin firming anti-aging cosmetic compns.)
- IT Surfactants
- (zwitterionic; skin firming anti-aging cosmetic compns.)
- IT 131-57-7, Benzophenone-3 4065-45-6, Benzophenone-4
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
- (exts.; skin firming anti-aging cosmetic compns.)
- IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D,

Ascorbic acid, derivs. 51-67-2, Tyramine 53-41-8, Androsterone
 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5, Adenosine
 triphosphate, biological studies 56-81-5, Glycerin, biological
 studies 57-00-1, Creatine 57-13-6, Urea, biological studies 57-83-0,
 Progesterone, biological studies 58-08-2, Caffeine, biological studies
 58-22-0, Testosterone 58-55-9, Theophylline, biological studies
 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0,
 Adenosine diphosphate, biological studies 58-85-5,
 Biotin 58-95-7, Vitamin E acetate 59-30-3, Folic acid, biological
 studies 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters
 63-05-8, Androstenedione 68-26-8, Vitamin A 69-72-7, Salicylic acid,
 biological studies 70-18-8, Glutathione, biological studies 73-31-4,
 Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological
 studies 79-14-1, Glycolic acid, biological studies 79-81-2, Vitamin A
 palmitate 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic
 acid 93-60-7, Methyl nicotinate 94-44-0, Benzyl nicotinate 94-62-2,
 Piperine 97-59-6, Allantoin 98-98-6D, Picolinic acid, complex with
 chromium 100-51-6, Benzyl alcohol, biological studies 101-20-2,
 Trilocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5,
 Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate
 122-99-6, Phenoxylethanol 127-17-3, Pyruvic acid, biological studies
 127-17-3D, Pyruvic acid, salts 127-40-2, Lutein 134-09-8, Menthyl
 anthranilate 145-13-1, Pregnenolone 146-48-5, Yohimbine 147-81-9,
 Arabinose 150-13-0, PABA 153-18-4, Rutin 305-84-0, Carnosine
 317-34-0, Aminophylline 327-97-9, Chlorogenic acid 370-98-9,
 N-Methyltyramine 404-86-4, Capsaicin 471-53-4, Glycyrhretinic acid
 472-61-7, Astaxanthin 476-66-4, Ellagic acid 488-69-7,
 Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin
 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin
 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6,
 Dehydroacetic acid 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1,
 Hordenine 541-15-1, L-Carnitine 548-04-9, Hypericin 1200-22-2,
 α -Lipoic acid 1314-13-2, Zinc oxide (ZnO), biological studies
 1344-28-1, Alumina, biological studies 1399-64-0, Gymnemic acid
 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9 2086-83-1,
 Berberine 2174-16-5, Trolamine salicylate 2420-56-6,
 10-trans,12-cis-Linoleic acid 2540-56-9, 9-cis,11-trans-Linoleic acid
 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 4773-96-0, Mangiferin
 5508-58-7, Andrographolide 6147-11-1, Mangostin 6197-30-4, Octocrylene
 6205-14-7, Hydroxycitric acid 6205-14-7D, Hydroxycitric acid, salts
 6805-41-0, Escin 6829-55-6, Tocotrienol 6915-15-7, Malic acid
 7440-47-3D, Chromium, complex with picolinic acid 7631-86-9, Silica,
 biological studies 8011-96-9, Calamine 8063-16-9, Psyllium
 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-40-2, Locust bean
 gum 9000-69-5, Pectin 9002-18-0, Agar 9002-72-6, Somatotropin
 9002-88-4, Polyethylene 9004-34-6, Cellulose, biological studies
 9004-34-6D, Cellulose, derivs. 9004-61-9, Hyaluronic acid 9005-25-8,
 Starch, biological studies 9005-25-8D, Starch, derivs. 9005-38-3,
 Alginate 9005-80-5D, Inulin, hydrolyzed 9006-65-9, Dimethicone
 9012-76-4, Chitosan 9016-00-6, Polydimethyl siloxane 9088-07-7,
 Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11138-66-2,
 Xanthan gum 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7
 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium oxide,
 biological studies 16397-78-7, 2-Ethylhexyl cinnamate 16589-24-5,
 Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic
 acid 20283-92-5, Rosmarinic acid 29593-08-6 31692-79-2, Dimethiconol
 31900-57-9, Polydimethyl siloxane 32619-42-4, Oleuropein 36062-04-1,
 Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9, Phaseolamin
 57448-83-6 59219-65-7, Darutoside 66575-29-9, Forskolol 70356-09-1,
 Avobenzone 71010-52-1, Gellan gum 94231-35-3 125913-31-7

Jody Karol 10/523.605

135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol
211504-83-5 439666-13-4 676608-06-3 676608-07-4 676608-08-5
683226-75-7 697291-65-9, Phytosan 728945-82-2, Azaftig
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(skin firming anti-aging cosmetic
comps.)

IT 50-81-7, Ascorbic acid, biological studies

50-81-7D, Ascorbic acid, derivs.

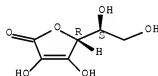
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(skin firming anti-aging cosmetic
comps.)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

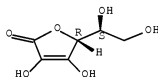
Absolute stereochemistry.



RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:609740 CAPLUS Full-text

DOCUMENT NUMBER: 141:162091

TITLE: Topical nutraceutical compositions with selective body
slimming and tone firming antiaging benefits

INVENTOR(S): Gupta, Shyam K.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 13 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040146539	A1	20040729	US 2003-248508	20030124
PRIORITY APPLN. INFO.:			US 2003-248508	20030124
ED Entered STN:		30 Jul 2004		

AB Cosmetic or topical pharmaceutical compns. are described for external body part or organ slimming, firming, cellulite reduction, fat-reduction, and obesity control benefits that are in synergistic combination with benefits for the treatment of skin aging, skin wrinkles reduction, skin exfoliating, treatment of acne, treatment of rosacea, age-spots reduction, skin surface whitening, skin surface brightening striae distensae (stretch marks) reduction, treatment of pimples, treatment of skin infections and lesions, spider veins reduction, blood microcirculation (venous insufficiency) improvement, UVA/UVB protection of skin, and skin redness reduction. These compns. thus provide multiple combinations of skin and external body part or organ enhancement benefits that can be selective and specific for external body parts and organs such as face, chin, cheeks, arms, "love handles" in abdomen area, eye lids and eye zone, neck, breasts, thighs, and hips. For example, a chitosan facial mask composition for the reduction of wrinkles and excess fat on cheeks and eyelids contained chitosan 5%, lactic acid 5%, glycerin 18%, water 65.8%, hydroxycitric acid 5%, niacinamide 0.5%, glutathione 0.2%, and preservatives 0.5%. First three components were mixed into a paste, other components were mixed sep. into a clear solution, and the paste and the solution were combined to obtain a clear gel product. The gel is applied on the face and neck and left for 10 to 30 min, then rinsed off.

IC ICM A61K007-00
INCL 424401000

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63

ST nutraceutical antiaging skin slimming firming cosmetic
; topical nutraceutical skin disorder

IT Natural products, pharmaceutical
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Glycyrrhizae radix, root exts.; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Skin, disease
(aging, wrinkles; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(almond; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Cosmetics
(antiaging; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(apricot kernel; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Skin
(cellulite, lotion for reduction of; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Cosmetics
(cleansing; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(coco, 2-sulfoethyl esters, sodium salts, sodium cocoyl isethionate, Tauranol I-78; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Cosmetics
(creams, antiaging; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)

IT Aesculus
Boswellia serrata

- Garcinia cambogia
- Kaempferia galanga
- Phyllanthus emblica
- Plectranthus barbatus
 - (extract; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Cosmetics
 - (face packs; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Plantago psyllium
 - (husk powder; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Carboxylic acids, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (hydroxy; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Cosmetics
 - (lotions; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Circulation
 - (microcirculation, agents for improvement of; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Proteins
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (oat; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Natural products, pharmaceutical
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (plant, Actiplex; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Collagens, biological studies
 - Elastins
 - RL: BSU (Biological study, unclassified); BIOL (Biological study)
 - (promotion of synthesis in skin; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Adipose tissue
 - (reduction of excess fat from cheeks and eyelids; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Skin, disease
 - (rosacea, treatment for; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Cosmetics
 - (serums; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Fats and Glyceridic oils, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (sesame; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Cosmetics
 - (skin-lightening; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Natural fibers
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (soybean; topical nutraceutical compns. with selective body slimming and tone firming antiaging benefits)
- IT Antimicrobial agents
 - Antioxidants
 - Dietary supplements

- Skin preparations (pharmaceutical)
 Sunscreens
 Surfactants
 (topical nutraceutical compns. with selective body slimming and tone
 firming antiaging benefits)
- IT Hormones, animal, biological studies
 Jojoba oil
 Polyoxyalkylenes, biological studies
 Vitamins
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (topical nutraceutical compns. with selective body slimming and tone
 firming antiaging benefits)
- IT Drug delivery systems
 (topical; topical nutraceutical compns. with selective body slimming
 and tone firming antiaging benefits)
- IT Acne
 (treatment for; topical nutraceutical compns. with selective body
 slimming and tone firming antiaging benefits)
- IT 9003-01-4D, crosslinked
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Carbomer; topical nutraceutical compns. with selective body slimming
 and tone firming antiaging benefits)
- IT 36574-66-0D, N-coco acyl derivs.
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Cocoamidopropyl betaine; topical nutraceutical compns. with selective
 body slimming and tone firming antiaging benefits)
- IT 9012-76-4, Chitosan
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Cognis Hydagen CMF; topical nutraceutical compns. with selective body
 slimming and tone firming antiaging benefits)
- IT 9023-93-2, Acetyl-CoA carboxylase
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (inhibitors; topical nutraceutical compns. with selective body slimming
 and tone firming antiaging benefits)
- IT 50-21-5, Lactic acid, biological studies 50-81-7, L-
 Ascorbic acid, biological studies 51-67-2, Tyramine 53-43-0,
 DHEA 53-86-1, Indomethacin 56-65-5, Adenosine
 triphosphate, biological studies 56-81-5, Glycerin, biological
 studies 57-00-1, Creatine 57-11-4, Stearic acid, biological studies
 58-08-2, Caffeine, biological studies 58-55-9, Theophylline, biological
 studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine
 58-64-0, Adenosine diphosphate, biological studies
 58-95-7, Vitamin E acetate 70-18-8, Glutathione, biological studies
 77-92-9, Citric acid, biological studies 79-81-2, Vitamin A palmitate
 81-13-0, Panthenol 83-67-0, Theobromine 89-73-6, SHA 98-92-0,
 Niacinamide 98-98-6D, Picolinic acid, chromium complexes 104-14-3,
 Octopamine 123-31-9, Hydroquinone, biological studies 127-17-3,
 Pyruvic acid, biological studies 147-81-9, Arabinose 151-21-3, Sodium
 lauryl sulfate, biological studies 303-45-7, Gossypol 305-84-0,
 Carnosine 331-39-5, 3,4-Dihydroxycinnamic acid 370-98-9,
 n-Methyltyramine 472-11-7, Ruscogenin 476-66-4, Ellagic acid
 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 500-38-9, NDGA
 531-75-9, Esculin 539-15-1, Hordenine 541-15-1, Carnitine 644-66-6,
 Baeomycesic acid 1191-85-1, ETYA 1399-64-0, Gymnemic acid 1987-71-9,
 Niacinamide ascorbate 2012-14-8, 9,12-Octadecadiynoic acid
 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 6205-14-7, Hydroxycitric acid
 6805-41-0, Escin 7440-47-3D, Chromium, picolinic acid complexes
 7778-18-9, Calcium sulfate 9002-72-6, Growth hormone 9006-65-9,
 Dimethicone 9016-00-6, Polydimethylsiloxane 9088-07-7, Natriuretic
 peptide 10597-60-1, 3,4-Dihydroxyphenylethanol 12001-79-5, Vitamin K

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13463-67-7, Titanium dioxide, biological studies 16589-24-5, Synephrine
25322-68-3, Polyethylene glycol 31692-79-2, Dimethiconol 31900-57-9,
Polydimethylsiloxane 36062-04-1, Tetrahydrocurcumin 36653-82-4, Cetyl
alcohol 56996-83-9, Phaseolamin 58688-54-3, 5,6-Dehydroarachidonic
acid 66000-40-6, 3-Amino-1-[m-(trifluoromethyl)phenyl]-2-pyrazoline
66575-29-9, Forskolin 66634-12-6, Niacinamide salicylate 68076-97-1
76353-67-8 79672-88-1 81517-87-5 84750-06-1, Arlcel 165
99267-16-0, Eicosatriynoic acid 101910-24-1 121250-47-3, Conjugated
linoleic acid 126716-54-9 145686-34-6, Cetyl dimethicone copolyol
146702-59-2, Tauranol WS 159806-32-3 335383-60-3, Aristoflex AVC
660429-97-0 660439-51-0, Actiplex 2789 660439-61-2, Jeesilc 6056
683226-75-7, Niacinamide lipote 683226-76-8, Niacinamide lactate
728008-18-2 728008-19-3 728008-20-6 728945-82-2, Azaftig

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(topical nutraceutical compns. with selective body slimming and tone
firming antiaging benefits)

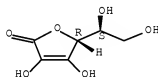
IT 50-81-7, L-Ascorbic acid, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(topical nutraceutical compns. with selective body slimming and tone
firming antiaging benefits)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:451489 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 141:28225

TITLE: Trace metals synergized copper nucleotides and copper
glycosides for anti-aging and
antiviral compositions

INVENTOR(S): Gupta, Shyam K.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 18 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 11

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040105894	A1	20040603	US 2002-306948	20021129
US 20060183708	A1	20060817	US 2006-308290	20060315
US 20070189992	A1	20070816	US 2007-676284	20070217
PRIORITY APPLN. INFO.:			US 2002-306948	A2 20021129
			US 2004-710011	A2 20040611
			US 2006-308290	A2 20060315

ED Entered STN: 04 Jun 2004

AB Trace metals such as copper, zinc, iron, and manganese that are necessary for
the proper functioning of superoxide dismutase (SOD) and other deactivators of

active-oxygen mols. (which cause aging of skin and other skin disorders), can be delivered from the topical compns. This is achieved by the preparation of copper and other trace metal complexes with phosphorylated nucleosides, such as nucleotides, and phosphorylated monosaccharides, such as phosphorylated glycosides which act as small mol. weight (SMW) transporter mols. These trace metal complexes of nucleotides and glycosides can be prepared by an in-situ method in water, water-miscible organic solvent, or a mixture of water and water-miscible organic solvent from commonly available ingredients in concns. that are desirable and can be accurately controlled. Also disclosed are compns. to achieve the transport of copper from the surface layers of skin into the deeper layers of skin utilizing SMW transporter mols.; and the intra-cellular storage of copper ions in the cell, for example in a bound form with glutathione; and the intra-cellular transport of copper from glutathione to SOD apoprotein by metallochaperones; and the supply of energetic mols., such as ATP, ADP, or phosphorylated saccharides for SOD metallochaperones to perform their intra-cellular metal transfer function. These cosmetic or pharmaceutical compns. are useful for antiaging and antiviral benefits. A Cu-ATP solution was prepared from copper gluconate and ATP disodium hydrate. Compns. such as an anti-wrinkle skin lotion with Zn and Mg as cofactors were prepared

- IC ICM A61K048-00
ICS A61K038-16; A61K038-40; A61K031-715; A61K033-24
INCL 424617000; 514006000; 514044000; 514054000
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
ST trace metal copper nucleotide glycoside antiaging antiviral compn
IT Cosmetics
(antiaging; trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)
IT Amino acids, biological studies
Peptides, biological studies
Proteins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(complexes; trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)
IT Drug delivery systems
(topical; trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)
IT Antiviral agents
(trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)
IT Metallothioneins
Nucleotides, biological studies
Trace metals
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)
IT 53-84-9, NAD 56-65-5, ATP, biological studies 56-73-5, Glucose 6-phosphate 58-64-0, ADP, biological studies 58-68-4, NADH 59-56-3 61-19-8, AMP, biological studies 70-18-8, Glutathione, biological studies 85-32-5, Guanylic acid 86-04-4, Inosine diphosphate 98-98-6D, Picolinic acid, reaction with copper 131-99-7, Inosinic acid 142-71-2, Copper acetate 146-14-5, FAD 146-91-8, Guanosine diphosphate 328-50-7D, reaction with copper, manganese and zinc 488-69-7, Fructose 1,6-diphosphate 527-09-3, Copper gluconate 546-46-3, Zinc citrate 551-64-4 557-09-5, Zinc caprylate 557-34-6, Zinc acetate 616-91-1,

N-Acetylcysteine 637-82-1, Manganese succinate 643-13-0, Fructose 6-phosphate 987-78-0, Citicholine 1300-26-1, Zinc glycerophosphate 1320-46-3, Manganese glycerophosphate 2180-18-9, Manganese acetate 2847-05-4, Zinc malate 3251-23-8 3890-89-9, Copper caprylate 4468-02-4, Zinc gluconate 6228-53-1, Zinc succinate 6485-39-8, Manganese gluconate 6819-13-2, Manganese caprylate 7268-91-9, Copper succinate 7439-96-5, Manganese, biological studies 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7447-39-4, Copper chloride (CuCl₂), biological studies 7646-85-7, Zinc chloride, biological studies 7733-02-0, Zinc sulfate 7758-98-7, Copper sulfate, biological studies 7779-88-6, Zinc nitrate 7785-87-7, Manganese sulfate 10024-66-5, Manganese citrate 10139-18-1, Glucose 1,6-diphosphate 10377-66-9, Manganese nitrate 10402-15-0, Copper citrate 11132-78-8, Manganese chloride 12040-65-2D, Glycerophosphate, reaction with copper 13479-54-4, Copper glycinate 13870-80-9, Copper histidine 13870-82-1 13985-65-4, Copper methionine 14049-88-8 14281-77-7 14281-83-5, Zinc glycinate 14998-36-8, Manganese tartrate 15158-11-9D, Copper II, complexes with amino acids or peptides or nucleotides or proteins 15628-81-6 15978-08-2, Fructose 1-phosphate 16039-52-4, Copper lactate 16039-53-5, Zinc lactate 16283-36-6, Zinc salicylate 16351-10-3, Manganese ascorbate 16397-91-4D, Manganese II, complexes with amino acids or peptides or nucleotides or proteins 16743-16-1, Zinc histidine 16827-84-2 17263-55-7, Copper malate 17949-65-4, Zincpicolinate 18917-85-6 20936-31-6, Copper salicylate 21512-99-2 21676-62-0 23333-98-4, Zinc lysinate 23713-49-7D, Zinc II, complexes with amino acids or peptides or nucleotides or proteins 24640-31-1 24887-16-9, Zinc pyruvate 27004-40-6, Copper tartrate 28029-54-1 30827-46-4 33010-91-2, Copper fumarate 34992-53-5 36015-31-3 36393-20-1, Zinc aspartate 40816-51-1 51877-53-3, Manganese lactate 51914-60-4, Zinc nicotinate 52723-61-2, Zinc fumarate 59866-25-0 59949-07-4 60880-81-1, Sucrose phosphate 61024-52-0 81876-67-7 81899-04-9 83455-26-9 84493-88-9 85169-07-9 112983-87-6 145482-34-4, Manganese pyruvate 151728-40-4, Zinc ascorbate 173364-38-0 173521-41-0

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)

IT 61-19-8, AMP, biological studies

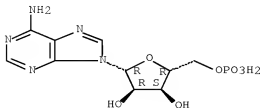
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(trace metals synergized copper nucleotides and copper glycosides for anti-aging and antiviral compns.)

RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



Jody Karol 10/523.605

L64 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:993109 CAPLUS Full-text
 DOCUMENT NUMBER: 141:415634
 TITLE: Skin compositions containing anti-aging peptides and polyhydric alcohols
 INVENTOR(S): Hirano, Nobuyuki; Adachi, Katsuyoshi; Tada, Takahiro; Ito, Shiho; Aramaki, Kaname
 PATENT ASSIGNEE(S): Mikimoto Pharmaceutical Co., Ltd., Japan; Toshin Kagaku Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004323401	A	20041118	JP 2003-118442	20030423
PRIORITY APPLN. INFO.:			JP 2003-118442	20030423

ED Entered STN: 19 Nov 2004

AB The invention relates to a skin composition containing Glu-Glu-Met-Gln-Arg-Arg peptide and polyhydric alc. having ≥ 2 OH groups, wherein the composition shows improved effect of the peptide. Skin compns. containing the hexapeptide, polyhydric alcs., and other active components are also disclosed. A cosmetic lotion containing Glu-Glu-Met-Gln-Arg-Arg peptide solution (Argireline solution) 10, glycerin 10, Me paraben 0.2, and water balance to 100% was formulated.

IC ICM A61K007-48
 ICS A61K007-00; A61K038-00; A61K047-10; A61K047-18; A61P017-16

CC 62-4 (Essential Oils and Cosmetics)

ST hexapeptide polyalc antiaging cosmetic

IT Cell activation
 (agents for; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (alc.-modified; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (amino; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Cosmetics
 (antiaging; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Coffee products
 (beverages; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Oryza sativa
 (bran, exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Carbohydrates, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (brown sugar; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Aves
 Celosia argentea cristata
 Crustacea
 Egg, poultry

Insecta
Mammalia
 (components; skin compns. containing anti-aging
 peptides and polyhydric alcs. with other defined active components)

IT Cosmetics
 (creams; skin compns. containing anti-aging peptides
 and polyhydric alcs. with other defined active components)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cyclic; skin compns. containing anti-aging peptides
 and polyhydric alcs. with other defined active components)

IT Hemoglobins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (derivs.; skin compns. containing anti-aging peptides
 and polyhydric alcs. with other defined active components)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (esters, with sucrose; skin compns. containing anti-aging
 peptides and polyhydric alcs. with other defined active components)

IT Blood products
 (exts., bovine; skin compns. containing anti-aging
 peptides and polyhydric alcs. with other defined active components)

IT Ampelopsis japonica
Asiasarum
Asparagus (genus)
Bifidobacterium
Cassia nomame
Chamomile
Cicadidae
Crataegus
Cryptotympana atrata
Cydonia speciosa
Eucalyptus
Fagus
Glycyrrhiza
Humulus lupulus
Inula britannica
Lactic acid bacteria
Lilium longiflorum
Lycopersicon esculentum
Milletia reticulata
Molasses
Mollusca
Momordica grosvenori
Ononis spinosa
Paeonia lactiflora
Periploca sepium
Pisum sativum
Placenta
Raspberry
Rosa multiflora
Rosa rugosa
Saxifraga
Scutellaria
Shellfish
Sophora
Spleen
Tea products
Vitis vinifera
Yeast

- (exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Triticum aestivum
 - (germ, exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Ethers, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (glyceryl, alkyl; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Peptides, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hexapeptides; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Castor oil
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hydrogenated, ethoxylated; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Squid
 - (ink, exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Cosmetics
 - (lotions; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Betaines
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (low-mol.-weight; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Alcohols, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (lower; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Fats and Glyceridic oils, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (macadamia nut; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Fish
 - (meat components; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Cosmetics
 - (moisturizers; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Polyethers, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (perfluoro; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Sterols
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (phyto; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Fluoropolymers, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (polyether-, perfluoro; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Alcohols, biological studies
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (polyhydric; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Circulation

- (promoters; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Bran
 - (rice, exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Anti-inflammatory agents
 - Antioxidants
 - Beeswax
 - Honey
 - Royal jelly
 - Surfactants
 - Natural products
 - RL: BIOL (Biological study); USES (Uses)
 - (skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Alcohols, biological studies
 - Amino acids, biological studies
 - Carbohydrates, biological studies
 - Carboxylic acids, biological studies
 - Carotenes, biological studies
 - Ceramides
 - Collagens, biological studies
 - DNA
 - Elastins
 - Esters, biological studies
 - Fatty acids, biological studies
 - Fibronectins
 - Flavonoids
 - Glycolipids
 - Hormones, animal, biological studies
 - Hydrocarbons, biological studies
 - Jobba oil
 - Keratins
 - Lactoferrins
 - Lanolin
 - Mucins
 - Mucopolysaccharides, biological studies
 - Nucleic acids
 - Olive oil
 - Paraffin oils
 - Petrolatum
 - Phospholipids, biological studies
 - Proteins
 - RNA
 - Safflower oil
 - Tannins
 - Tocopherols
 - Waxes
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Cosmetics
 - (skin-lightening; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT DNA
 - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 - (sodium complexes; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)
- IT Glycine max

(soybean products, exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT Cantharis

(tincture; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

IT 83-75-0, Euquinine

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(exts.; skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

- IT 50-21-5, Lactic acid, biological studies 50-28-2, Estradiol, biological studies 50-33-9, Phenylbutazone, biological studies 50-70-4, Sorbitol, biological studies 50-81-7, Ascorbic acid, biological studies 50-99-7, Glucose, biological studies 51-35-4, Hydroxyproline 51-84-3, Acetylcholine, biological studies 52-53-9, Verapamil 52-90-4, Cystein, biological studies 53-86-1, Indomethacin 56-40-6, Glycine, biological studies 56-41-7, Alanine, biological studies 56-45-1, Serine, biological studies 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 56-84-8, Aspartic acid, biological studies 56-85-9, Glutamine, biological studies 56-86-0, Glutamic acid, biological studies 56-87-1, Lysine, biological studies 57-11-4, Stearic acid, biological studies 57-13-6, Urea, biological studies 57-48-7, Fructose, biological studies 57-55-6, Propylene glycol, biological studies 57-88-5, Cholesterol, biological studies 58-08-2, Caffeine, biological studies 58-55-9, Theophylline, biological studies 58-64-0, Adenosine diphosphate, biological studies 58-86-6, Xylose, biological studies 59-98-3, Tolazoline 60-18-4, Tyrosine, biological studies 60-32-2, ϵ -Aminocaproic acid 60-92-4, Cyclic AMP 61-19-6, Adenosine monophosphate, biological studies 61-68-7, Mephennamic acid 63-68-3, Methionine, biological studies 63-91-2, Phenylalanine, biological studies 64-17-5, Ethanol, biological studies 65-71-4, Thymine 69-65-8, Mannitol 69-79-4, Maltose 69-89-6, Xanthin 70-18-8, Glutathione, biological studies 70-26-8, Ornithine 70-47-3, Asparagine, biological studies 71-00-1, Histidine, biological studies 71-30-7, Cytosine 72-18-4, Valine, biological studies 72-19-5, Threonine, biological studies 73-22-3, Tryptophan, biological studies 73-24-5, Adenine, biological studies 73-32-5, Isoleucine, biological studies 73-40-5, Guanine 74-79-3, Arginine, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 81-13-0, Panthenol 87-69-4, Tartaric acid, biological studies 87-99-0, Xylitol 97-59-6, Allantoin 98-79-3, Pyrrolidone carboxylic acid 99-20-7, Trehalose 107-43-7, Trimethyl glycine 107-88-0, 1,3 Butylene glycol 108-46-3, 1,3-Benzenediol, biological studies 110-15-6, Succinic acid, biological studies 110-27-0, Isopropyl myristate 111-01-3, Squalene 111-02-4, Squalene 112-85-6, Behenic acid 112-92-5, Stearyl alcohol 115-77-5, Pentaerythritol, biological studies 122-48-5, Gingerone 123-31-9, Hydroquinone, biological studies 128-37-0, Dibutylhydroxytoluene, biological studies 137-66-6, L-Ascorbyl palmitate 142-18-7, Glyceryl monolaurate 146-14-5 147-85-3, Proline, biological studies 149-32-6, Erythritol 149-91-7, Gallic acid, biological studies 298-57-7, Cinnarizine 331-39-5 372-75-8, Citrulline 404-86-4, Capsaicine 456-59-7, Cyclandelate 463-40-1, α -Linolenic acid 481-49-2, Cepharanthine 489-84-9, Guaiazulene 497-76-7, Arbutin 506-26-3, γ -Linolenic acid 544-62-7, Batyl alcohol 544-63-8, Myristic acid, biological studies 551-15-5, Liquiritin 585-88-6, Maltitol 593-31-7, Selachyl alcohol 1135-24-6, Ferulic acid 1190-94-9, Hydroxylysine 1197-18-8, Tranexamic acid 1338-41-6, Sorbitan

monostearate 1405-86-3, Glycyrrhizinic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 2444-46-4 2495-84-3, Ascorbyloleate 2568-33-4, Isoprene glycol 3081-61-6, Theanine 5041-81-6, Isoliquiritin 6556-11-2, Inositol hexanicotinate 6915-15-7, Malic acid 7317-67-1 7360-38-5, Glyceryl tri-2-ethyl hexanoate 7665-99-8, Cyclic GMP 7678-95-7, Ethenyl estradiol 8029-68-3, Ichthammol 9004-53-9, Dextrin 9004-61-9, Hyaluronic acid 9004-73-3, PolyMethylsiloxane 9005-12-3, Methyl phenyl polysiloxane 9005-32-7, Alginic acid 9005-49-6, Heparin, biological studies 9005-67-8, Polyoxyethylene sorbitan monostearate 9007-28-7, Chondroitin sulfate 9050-30-0 9056-36-4, Keratan sulfate 9067-32-7, Sodium hyaluronate 9082-07-9, Chondroitin sulfate sodium salt 10417-94-4, Eicosapentaenoic acid 11042-64-1, γ -Oryzanol 11103-57-4, Vitamin A 12001-76-2, Vitamin B 15307-79-6, Sodium diclofenac 15687-27-1, Ibuprofen 17087-29-5, Trimethylalanine 18469-44-8 22071-15-4, Ketoprofen 24967-94-0, Dermatan sulfate 25013-16-5, Butylated hydroxyanisole 25395-66-8, L-Ascorbyl stearate 28474-90-0, L-Ascorbyl dipalmitate 29710-31-4, Cetyl octanoate 31566-31-1, Glycerin monostearate 32381-28-5, N,N'-Diacetylcystine dimethyl ester 35602-69-8, Cholesteryl stearate 36653-82-4, Cetanol 56939-67-4 59870-68-7, Glabridin 60008-03-9, Glabrene 68797-35-3, Dipotassium glycyrrhizinate 74438-74-7, L-Ascorbic acid distearate 83826-43-1, Octyl dodecyl myristate 92353-27-0, L-Ascorbic acid dioleate 103000-77-7, Glycyrrhizinic acid 108910-78-7 110369-28-3 110369-30-7 110369-32-9 110369-35-2 110369-36-3 121123-79-3 122715-02-0, α -Borneol 123638-49-3 125913-31-7 128808-19-5 128808-20-8 128808-21-9 128808-22-0, L-Ascorbic acid sulfate sodium salt 128808-23-1 128808-24-2 128808-25-3 128808-26-4 129499-78-1, L-Ascorbic acid glucoside 138069-07-5 161436-56-2 185323-25-5 404566-00-3, L-Ascorbic acid isopalmitate 616204-22-9, Argireline 745794-24-5 745794-25-6

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

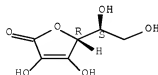
IT 50-81-7, Ascorbic acid, biological studies
60-92-4, Cyclic AMP 61-19-8, Adenosine monophosphate, biological studies 129499-78-1, L-Ascorbic acid glucoside

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(skin compns. containing anti-aging peptides and polyhydric alcs. with other defined active components)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

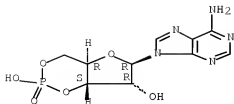
Absolute stereochemistry.



RN 60-92-4 CAPLUS

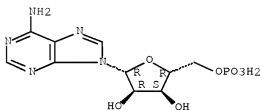
CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

Absolute stereochemistry.



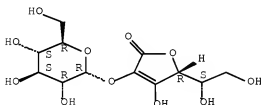
RN 61-19-8 CAPLUS
CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



RN 129499-78-1 CAPLUS
CN L-Ascorbic acid, 2-O-α-D-glucopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:695458 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 141:230304
TITLE: Skin moisturizing, lightening, and
antiaging cosmetics and (quasi)drugs
containing shellfish collagens type I (α1)3
Tada, Takahiro; Tsuji, Nobuhide; Adachi, Katsuyoshi
INVENTOR(S): Mikimoto Pharmaceutical Co., Ltd., Japan
PATENT ASSIGNEE(S): Jpn. Kokai Tokkyo Koho, 21 pp.
SOURCE: CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004238386 A 20040826 JP 2003-118440 20030423
 PRIORITY APPLN. INFO.: JP 2002-358821 A 20021211

ED Entered STN: 26 Aug 2004

AB Cosmetics and (quasi)drugs contain (derivs. of) shellfish collagen type I (α1)3 and skin moisturizers, softening agents, cell activators, anti-inflammatory agents, antioxidants, circulation promoters, and/or skin-lightening agents. Thus, a liquid cosmetic was formulated containing pearl oyster collagen type I (α1)3 and Na hyaluronate.

IC ICM A61K007-48
 ICS A61K007-00; A61K007-075; A61K031-025; A61K031-05; A61K031-165; A61K031-196; A61K031-352; A61K031-375; A61K031-405; A61K031-575; A61K031-661; A61K031-7034; A61K031-704; A61K035-56; A61K035-78; A61K038-17; A61K047-10; A61K047-12; A61K047-18

CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 63

ST cosmetic drug shellfish collagen type I alpha1; skin moisturizer lightening antiaging cosmetic oyster collagen

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (Me Ph; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (Me; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Cosmetics
 (antiaging; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Coffee products
 (beans, extract; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Oryza sativa
 (bran, extract; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Fagus crenata
 (bud, extract; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Head and Neck
 (comb, extract; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Blood serum
 (deproteinated, extract; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)

IT Ampelopsis japonica
 Asiasarum
 Asparagus officinalis
 Bifidobacterium
 Blood

Cassia nomame
 Chaenomeles lagenaria
 Chiranthodendron pentadactylon
 Coix lacryma-jobi
 Crataegus cuneata
 Crocus sativus
 Eucalyptus
 Fish
 Glycine max
 Humulus lupulus
 Inula
 Lactic acid bacteria
 Lycopersicon esculentum
 Molasses
 Mollusca
 Mucuna birdwoodiana
 Ononis
 Paeonia
 Pisum sativum
 Placenta
 Psidium
 Raspberry
 Rosa multiflora
 Rosa rugosa
 Scutellaria baicalensis
 Seaweed
 Spleen
 Vitis vinifera
 Yeast

(extract; skin moisturizing, lightening, and antiaging
 cosmetics and (quasi)drugs containing shellfish collagens type I
 (a1)3 and other active ingredients)

IT Momordica grosvenori

(fruit, extract; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish
 collagens type I (a1)3 and other active ingredients)

IT Triticum aestivum

(germ, extract; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish
 collagens type I (a1)3 and other active ingredients)

IT Tea products

(leaves, extract; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish
 collagens type I (a1)3 and other active ingredients)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(macadamia nut; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish
 collagens type I (a1)3 and other active ingredients)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(modified; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish
 collagens type I (a1)3 and other active ingredients)

IT Cosmetics

(moisturizers; skin moisturizing, lightening, and
 antiaging cosmetics and (quasi)drugs containing shellfish

- collagens type I (a1)3 and other active ingredients)
- IT Polyethers, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (perfluoro; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Cicada
 - (periostacum, extract; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Sterols
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (phyto-; skin moisturizing, lightening, and antiaging
 - cosmetics and (quasi)drugs containing shellfish collagens type I
 - (a1)3 and other active ingredients)
- IT Fluoropolymers, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (polyether-, perfluoro; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
 - collagens type I (a1)3 and other active ingredients)
- IT Alcohols, biological studies
 - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 - USES (Uses)
 - (polyhydric; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
 - collagens type I (a1)3 and other active ingredients)
- IT Circulation
 - (promoters; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Silk
 - (proteins; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Sophora
 - (radix, extract; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Bran
 - (rice, extract; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Acanthopanax
 - (root bark, extract; skin moisturizing, lightening, and
 - antiaging cosmetics and (quasi)drugs containing shellfish
- collagens type I (a1)3 and other active ingredients)
- IT Anti-inflammatory agents
 - Antioxidants
 - Beeswax
 - Egg, poultry
 - Glycyrrhiza glabra
 - Honey
 - Inflammation
 - Matricaria recutita
 - Oyster

- Royal jelly
- Saxifraga stolonifera
- Shellfish
 - (skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)
- IT Amino acids, biological studies
- Carbohydrates, biological studies
- Carboxylic acids, biological studies
- Carotenes, biological studies
- Ceramides
- Cyclosiloxanes
- DNA
- Elastins
- Esters, biological studies
- Fatty acids, biological studies
- Fibronectins
- Glycolipids
- Hemoglobins
- Hormones, animal, biological studies
- Jobba oil
- Keratins
- Lactoferrins
- Lanolin
- Mucins
- Mucopolysaccharides, biological studies
- Olive oil
- Paraffin oils
- Petrolatum
- Phospholipids, biological studies
- Protein hydrolyzates
- Proteins
- RNA
- Safflower oil
- Waxes
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
 - (skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)
- IT Cosmetics
 - (skin-lightening; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)
- IT Cantharis
 - (tincture; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)
- IT Collagens, biological studies
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
 - (type I, (α1)2α2; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish collagens type I (α1)3 and other active ingredients)
- IT Collagens, biological studies
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
- USES (Uses)
 - (type I, (α1)3; skin moisturizing, lightening, and antiaging cosmetics and (quasi)drugs containing shellfish

- collagens type I ($\alpha 1$)3 and other active ingredients)
- IT Liliun
(white, extract; skin moisturizing, lightening, and
antiaging cosmetics and (quasi)drugs containing shellfish
collagens type I ($\alpha 1$)3 and other active ingredients)
- IT 50-21-5, Lactic acid, biological studies 50-28-2, Estradiol, biological
studies 50-33-9, Phenylbutazone, biological studies 50-70-4, Sorbitol,
biological studies 50-81-7, L-Ascorbic acid,
biological studies 50-81-7D, Ascorbic acid, alkyl
esters 50-99-7, Glucose, biological studies 51-35-4, Hydroxyproline
51-84-3, Acetylcholine, biological studies 52-53-9, Verapamil 52-90-4,
Cysteine, biological studies 53-86-1, Indomethacin 56-40-6, Glycine,
biological studies 56-41-7, Alanine, biological studies 56-45-1,
Serine, biological studies 56-65-5, Adenosine
triphosphate, biological studies 56-81-5D, Glycerin, alkyl
ethers 56-84-8, Aspartic acid, biological studies 56-85-9, Glutamine,
biological studies 56-86-0, Glutamic acid, biological studies 56-87-1,
Lysine, biological studies 56-89-3, Cystine, biological studies
57-11-4, Stearic acid, biological studies 57-13-6, Urea, biological
studies 57-48-7, Fructose, biological studies 57-50-1, Sucrose,
biological studies 57-88-5, Cholesterol, biological studies 58-08-2,
Caffeine, biological studies 58-55-9, Theophylline, biological studies
58-64-0, Adenosine diphosphate, biological studies
58-86-6, Xylose, biological studies 59-98-3, Tolazoline 60-18-4,
Tyrosine, biological studies 60-32-2, ϵ -Aminocaproic acid
60-92-4, Cyclic AMP 61-19-8, Adenosine
monophosphate, biological studies 61-68-7, Mefenamic acid
63-68-3, Methionine, biological studies 63-91-2, Phenylalanine,
biological studies 64-17-5, Ethanol, biological studies 65-71-4,
Thymine 69-65-8, Mannitol 69-79-4, Maltose 69-89-6, Xanthine
70-18-8, Glutathione, biological studies 70-26-8, Ornithine 70-47-3,
Asparagine, biological studies 71-00-1, Histidine, biological studies
71-30-7, Cytosine 72-18-4, Valine, biological studies 72-19-5,
Threonine, biological studies 73-22-3, Tryptophan, biological studies
73-24-5, Adenine, biological studies 73-32-5, Isoleucine, biological
studies 73-40-5, Guanine 74-79-3, Arginine, biological studies
77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid,
biological studies 81-13-0, Panthenol 87-69-4, Tartaric acid,
biological studies 87-89-8, Inositol 87-99-0, Xylitol 97-59-6,
Allantoin 98-79-3, Pyrrolidonecarboxylic acid 99-20-7, Trehalose
108-46-3, Resorcin, biological studies 110-15-6, Succinic acid,
biological studies 110-27-0, Isopropyl myristate 111-01-3, Squalene
111-02-4, Squalene 112-85-6, Behenic acid 112-92-5, Stearyl alcohol
115-77-5, Pentaerythritol, biological studies 122-48-5, Zingerone
128-37-0, Dibutylhydroxytoluene, biological studies 134-03-2 137-66-6,
L-Ascorbyl palmitate 146-14-5, FAD 147-85-3, Proline, biological
studies 149-32-6, Erythritol 298-57-7, Cinnarizine 331-39-5, Caffeic
acid 372-75-8, Citrulline 404-86-4, Capsaicin 456-59-7, Cycandelate
463-40-1, α -Linolenic acid 471-53-4, Glycyrrhetinic acid
481-49-2, Cepharanthine 489-84-9, Guaiazulene 497-76-7, Arbutin
506-26-3, γ -Linolenic acid 544-62-7, Batyl alcohol 544-63-8,
Myristic acid, biological studies 551-15-5, Liquiritin 585-88-6,
Maltitol 593-31-7, Selachyl alcohol 1135-24-6, Ferulic acid
1190-94-9, Hydroxylysine 1197-18-8, Tranexamic acid 1405-86-3,
Glycyrrhizic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E
2444-46-4, Nonyllic vanillylamide 3081-61-6, Theanine 5041-81-6,
Isoliquiritin 6556-11-2, Inositol hexanicotinate 6915-15-7, Malic acid
7665-99-8, Cyclic GMP 7678-95-7, Ethenylestradiol 8029-68-3,
Ichthammol 9004-53-9, Dextrin 9004-61-9, Hyaluronic acid 9005-32-7,

Alginic acid 9005-49-6, Heparin, biological studies 9007-28-7,
 Chondroitin sulfate 9050-30-0, Heparan sulfate 9056-36-4, Keratan
 sulfate 10417-94-4, Eicosapentaenoic acid 11042-64-1, γ -Oryzanol
 11103-57-4, Vitamin A 12001-76-2, Vitamin B 15307-79-6, Sodium
 diclofenac 15687-27-1, Ibuprofen 18779-49-2, L-Ascorbic acid
 calcium salt 22071-15-4, Ketoprofen 24967-94-0, Dermatan sulfate
 25013-16-5, Butylhydroxyanisole 25395-66-8, L-Ascorbyl stearate
 27475-47-4 28474-90-0, L-Ascorbyl dipalmitate 29710-31-4, Cetyl
 octanoate 32381-28-5, N,N'-Diacetylcystine dimethyl ester 35602-69-8,
 Cholesteryl stearate 36653-82-4, Cetanol 56939-67-4, L-
 Ascorbic acid sulfate 59870-68-7, Glabridin 60008-03-9,
 Glabrene 74438-74-7 92353-27-0 108910-78-7, L-Ascorbic
 acid phosphate magnesium salt 110369-28-3 110369-30-7 110369-32-9
 110369-35-2 110369-36-3 121123-79-3, L-Ascorbic acid
 potassium salt 122715-02-0, α -Borneol 123638-49-3, L-
 Ascorbic acid aluminum salt 125913-31-7, L-Ascorbic
 acid phosphate 128808-19-5 128808-20-8 128808-21-9 128808-22-0, L-
 Ascorbic acid sulfate sodium salt 128808-23-1, L-
 Ascorbic acid phosphate aluminum salt 128808-24-2, L-
 Ascorbic acid phosphate calcium salt 128808-25-3, L-
 Ascorbic acid phosphate potassium salt 128808-26-4, L-
 Ascorbic acid phosphate sodium salt 129499-78-1, L-
 Ascorbic acid glucoside 137995-21-2, L-Ascorbic acid
 magnesium salt 138069-07-5 161436-56-2, L-Ascorbyl tetraispalmitate
 404566-00-3, L-Ascorbic acid isopalmitate 745794-24-5
 745794-25-6 745794-26-7

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(skin moisturizing, lightening, and antiaging
 cosmetics and (quasi)drugs containing shellfish collagens type I
 (a1)3 and other active ingredients)

IT 50-81-7, L-Ascorbic acid, biological studies
 50-81-7D, Ascorbic acid, alkyl esters 60-92-4,
 Cyclic AMP 61-19-8, Adenosine monophosphate,
 biological studies 129499-78-1, L-Ascorbic acid
 glucoside

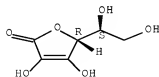
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(skin moisturizing, lightening, and antiaging
 cosmetics and (quasi)drugs containing shellfish collagens type I
 (a1)3 and other active ingredients)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

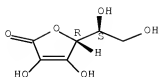
Absolute stereochemistry.



RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

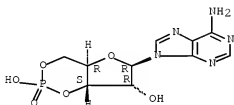
Absolute stereochemistry.



RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

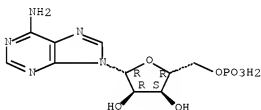
Absolute stereochemistry.



RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

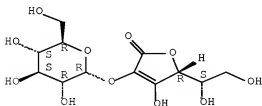
Absolute stereochemistry.



RN 129499-78-1 CAPLUS

CN L-Ascorbic acid, 2-O-α-D-glucopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:417503 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 138:406580

TITLE: Use of reed or its ingredients in the form of extracts

Jody Karol 10/523,605

INVENTOR(S): for cosmetic formulations
 Agquadish, Louis Michel Jacques; Mane, Jean Maurice
 Eugene; Berthon, Jean Yves Antonin
 PATENT ASSIGNEE(S): Greentech S. A., Fr.; V Mane Fils
 SOURCE: Fr. Demande, 17 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2832631	A1	20030530	FR 2001-15405	20011127
FR 2832631	B1	20040618		

PRIORITY APPLN. INFO.: FR 2001-15405 20011127

ED Entered STN: 01 Jun 2003

AB The present invention relates to the use of the reed (*Reeds communis*), (*Acorus calamus*), (*Arundo dorax*) or (*Cordylina terminalis*) in the form of aqueous, alic., acetone, hydroalcoholic, hydroglycolic, glycolic or oil exts. for the preparation of cosmetic formulations (skin, body, hair), presenting local slimming properties by reduction in the lipidic load of the s.c. adipocytes, characterized by the presence of inhibiting cAMP phosphodiesterase inhibitors (adenosine 3':5' monophosphate cyclic phosphodiesterase) and activators of the adenylyate cyclase, presenting antiradical properties, slowing down cellular ageing due to the presence of polyphenols and flavonoids, presenting by the presence of polysaccharides and free sugars such as saccharose, presenting immunomodulating properties by the presence of polysaccharides, inhibiting epidermal and dermal ageing due to the presence of specific polysaccharides such as arabinoglucans, vitamin C and organic acids, presenting detoxifying properties naturally recognized for the reed in its environment, due to the presence of flavonoids and polyphenols allowing the complexation and the elimination of heavy metals and aggressive pollutants on the skin, presenting refreshing and invigorating properties naturally recognized for the reed, due to the presence of polysaccharides, saccharose and vitamin C (ascorbic acid), rejuvenating properties for epidermis, dermis and hair.

IC ICM A61K007-48

ICS A61K007-06; A61K007-40

CC 62-3 (Essential Oils and Cosmetics)

ST reed ext cosmetic hair skin

IT Adipose tissue

(adipocyte; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Cosmetics

(antiaging; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Skin

(dermis; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Skin

(epidermis; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (organic; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Phenols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (polyphenols, nonpolymeric; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Acorus calamus
Aging, animal
Arundo donax
Cordyline terminalis
Immunomodulators
Reed
(use of reed or its ingredients in form of exts. for cosmetic formulations)

IT Carbohydrates, biological studies
Flavonoids
Polysaccharides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(use of reed or its ingredients in form of exts. for cosmetic formulations)

IT 9012-42-4, Adenylate cyclase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(activators; use of reed or its ingredients in form of exts. for cosmetic formulations)

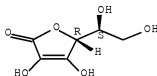
IT 9036-21-9, CAMP phosphodiesterase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; use of reed or its ingredients in form of exts. for cosmetic formulations)

IT 50-81-7, Vitamin c, biological studies
57-50-1, Saccharose, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(use of reed or its ingredients in form of exts. for cosmetic formulations)

IT 50-81-7, Vitamin c, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(use of reed or its ingredients in form of exts. for cosmetic formulations)

RN 50-81-7 CAPLUS
CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L64 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:396636 CAPLUS Full-text
DOCUMENT NUMBER: 135:9833
TITLE: Ajuga turkestanica extract and its cosmetic uses
INVENTOR(S): Dumas, Marc; Bonte, Frederic; Gondran, Catherine
PATENT ASSIGNEE(S): Lvmh Recherche, Fr.
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001037799	A1	20010531	WO 2000-FR3274	20001124
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
FR 2801504	A1	20010601	FR 1999-14893	19991126
FR 2801504	B1	20020215		
EP 1231893	A1	20020821	EP 2000-985316	20001124
EP 1231893	B1	20040818		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2003514839	T	20030422	JP 2001-539415	20001124
AT 273692	T	20040915	AT 2000-985316	20001124
ES 2226960	T3	20050401	ES 2000-985316	20001124
US 7060693	B1	20060613	US 2002-130788	20020523
HK 1050841	A1	20050121	HK 2003-101357	20030221
PRIORITY APPLN. INFO.:				
			FR 1999-14893	A 19991126
			WO 2000-FR3274	W 20001124

ED Entered STN: 01 Jun 2001

AB The invention concerns an extract of the *Ajuga turkestanica* plant containing at least an ecdysteroid and at least an iridoid and obtainable by extracting part at least of said plant using a solvent or a mixture of solvents consisting of 0 to 60 weight of water, the remainder of said solvent or mixture of solvents consisting of at least a C1-C4 alc., and/or acetone and/or butylene glycol and/or propylene glycol, more particularly an extract containing one part by weight of ecdysteroid for 2 to 4 parts by weight of iridoids. The invention also concerns cosmetic uses of said exts. or combinations containing one part by weight of ecdysteroids for 2 to 4 parts by weight of iridoids as cosmetic agents for improving keratinocyte differentiation, or for regulating hydric flux and re-absorption of water into the epidermis, or for hydrating the epidermis. The invention further concerns a cosmetic treatment method for the skin whereby a cosmetically efficient amount of said exts. or combinations are used. A hydroalcoholic extract of *A. turkestanica* was prepared and its ecdysteroids and iridoids was determined. The activity of the extract of the keratinocyte differentiation was studied. formulation of an antiaging cosmetic emulsion containing 0.025 g of *A. turkestanica* was disclosed.

IC ICM A61K007-48

CC G01-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 1

ST *Ajuga* ext cosmetic ecdysteroid iridoid

IT Alcohols, uses

RL: NUU (Other use, unclassified); USES (Uses)

(C1-4; *ajuga turkestanica* extract and its cosmetic uses)IT *Ajuga turkestanica**Bertholletia*

Cell differentiation

Cork tree (*Phellodendron amurense*)Ginseng (*Panax pseudoginseng*)

Solvents

(ajuga turkestanica extract and its cosmetic uses)

IT Ecdysteroids

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(ajuga turkestanica extract and its cosmetic uses)

IT Corticosteroids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)
 (ajuga turkestanica extract and its cosmetic uses)

IT Cosmetics
 (antiaging; ajuga turkestanica extract and its cosmetic uses)

IT Skin
 (epidermis; ajuga turkestanica extract and its cosmetic uses)

IT Cosmetics
 (gels; ajuga turkestanica extract and its cosmetic uses)

IT Aglycons
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
 (iridoid; ajuga turkestanica extract and its cosmetic uses)

IT Flavones
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (isoflavones; ajuga turkestanica extract and its cosmetic uses)

IT Skin
 (keratinocyte; ajuga turkestanica extract and its cosmetic uses)

IT Cosmetics
 (lotions; ajuga turkestanica extract and its cosmetic uses)

IT Cosmetics
 (moisturizers; ajuga turkestanica extract and its cosmetic uses)

IT Saponins
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (soya; ajuga turkestanica extract and its cosmetic uses)

IT 3604-87-3, α -Ecdysone 5289-74-7, Ecdysterone 6926-08-5, Harpagide 6926-14-3, 8-O-Acetylharpagide 17086-76-9, Cyasterone 41451-87-0, Turkesterone 67883-31-2, 22-Acetyl cyasterone 113866-76-5
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
 (ajuga turkestanica extract and its cosmetic uses)

IT 50-81-7, vitamin c, biological studies 58-08-2, caffeine, biological studies 58-86-6, D-xylose, biological studies 58-95-7, vitamin e acetate 60-92-4, cyclic amp 69-89-6, xanthine 79-81-2, vitamin a palmitate 127-47-9, vitamin a acetate 299-28-5, calcium gluconate 464-92-6, asiatic acid 476-66-4, ellagic acid 501-36-0, resveratrol 1406-18-4, vitamin e 7773-01-5, manganese chloride 9004-61-9, hyaluronic acid 11103-57-4, vitamin a 16830-15-2, asiaticoside 18449-41-7, madecassic acid 18962-61-3, magnesium aspartate 34540-22-2, madecassoside 53956-04-0, ammonium glycyrrhizinate 71276-50-1 108910-78-7, magnesium ascorbyl phosphate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (ajuga turkestanica extract and its cosmetic uses)

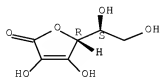
IT 57-55-6, Propylene glycol, uses 67-56-1, Methanol, uses 67-64-1, Acetone, uses 110-63-4, Butylene glycol, uses
 RL: NUU (Other use, unclassified); USES (Uses)
 (ajuga turkestanica extract and its cosmetic uses)

IT 50-81-7, vitamin c, biological studies 60-92-4, cyclic amp
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (ajuga turkestanica extract and its cosmetic uses)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

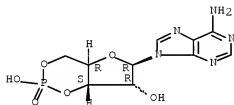
Absolute stereochemistry.



RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L64 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:585381 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 133:182770

TITLE: Antiaging cosmetics containing
tomato pigmentsINVENTOR(S): Uehara, Shizuka; Kameyama, Kumi; Kondo, Chiharu;
Takada, Norihisa

PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan; Nippon Delmonte K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000229827	A	20000822	JP 1999-28301	19990205
PRIORITY APPLN. INFO.:			JP 1999-28301	19990205

ED Entered STN: 23 Aug 2000

AB The cosmetics are claimed. The tomato pigments may mainly comprise lycopene isolated by centrifugation of tomato preps., microfiltration of the liquid parts, and collection of unfiltered substances by microfiltration. The cosmetics may addnl. contain active oxygen scavengers, antioxidants, inflammation inhibitors, UV shields, cell activators, and/or moisturizers. A cream containing the tomato pigment was used by volunteers to lighten skin and increase elasticity.

IC ICM A61K007-42

ICS A61K007-00; A61K009-06; A61P017-00; A61K035-78

CC 62-4 (Essential Oils and Cosmetics)

ST tomato pigment antiaging cosmetic; lycopene complex

- antiaging cosmetic
- IT Natural products, pharmaceutical
 - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 - (Uses)
 - (Mudanpi, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Carotenes, biological studies
 - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 - (Uses)
 - (active oxygen scavenger; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Anti-inflammatory agents
 - Antioxidants
 - Pigments, biological
 - Radical scavengers
 - Royal jelly
 - Sophora flavescens
 - Tomato
 - UV shields
 - UV stabilizers
 - (antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Cosmetics
 - (antiaging; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Beech (Fagus crenata)
 - (bud, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Cattle
 - (calf, blood exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Amino acids, biological studies
 - Carbohydrates, biological studies
 - Ceramides
 - Collagens, biological studies
 - DNA
 - Elastins
 - Fibronectins
 - Glycolipids
 - Hemoglobins
 - Keratins
 - Lactoferrins
 - Mucins
 - Mucopolysaccharides, biological studies
 - Phospholipids, biological studies
 - Protein hydrolyzates
 - RNA
 - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 - (Uses)
 - (cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Head
 - (comb, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other

- active ingredients)
- IT Blood serum
 - (deproteinated, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Grape
 - (exts., cell activator and moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Asparagus
- Avocado (*Persea americana*)
- Barley
- Bifidobacterium
- Capsicum annuum
- Carrot
- Cordyceps
- Egg, poultry
- Ganoderma lucidum
- Garlic (*Allium sativum*)
- Lactic acid bacteria
- Lentinula edodes
- Lettuce (*Lactuca sativa*)
- Placenta
- Rosemary
- Shell
- Soybean (*Glycine max*)
- Spleen
- Swertia japonica
- Yeast
 - (exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Actinidia chinensis
- Aloe (genus)
- Apple
- Apricot (*Prunus armeniaca*)
- Artemisia capillaris
- Asiasarum
- Burdock
- Cactus (Cactaceae)
- Centaurea cyanus
- Chaenomeles lagenaria
- Citrus junos
- Cnidium officinale
- Coix lacryma-jobi
- Corn
- Cucumber (*Cucumis sativus*)
- Equisetum arvense
- Fennel (*Foeniculum vulgare*)
- Gentian (*Gentiana lutea*)
- Ginger
- Grapefruit
- Hamamelis virginiana
- Hop (*Humulus lupulus*)
- Horse chestnut (*Aesculus hippocastanum*)
- Houttuynia cordata
- Ivy (*Hedera rhombea*)
- Lavender (*Lavandula*)
- Lemon (*Citrus limon*)
- Lime (*Citrus aurantifolia*)

Linden (*Tilia miqueliana*)
 Luffa cylindrica
 Lupine (*Lupinus*)
 Mallow (*Malva sylvestris*)
 Marshmallow (*Althaea officinalis*)
 Oat
 Ononis
 Orange
 Peach (*Prunus persica*)
 Peony (*Paeonia lactiflora*)
 Peppermint (*Mentha piperita*)
 Pine (*Pinus*)
 Poria cocos
 Prune
 Quince (*Cydonia oblonga*)
 Raspberry
 Rehmannia glutinosa
 Ruscus aculeatus
 Sanguisorba officinalis
 Seaweed
 Strawberry
 Thyme (*Thymus vulgaris*)
 Urtica thunbergiana
 (exts., moisturizer; antiaging cosmetics containing
 tomato pigments mainly comprising lycopene complexes and other active
 ingredients)

- IT Angelica keiskei
 Arnica montana
 Artemisia indica
 Astragalus sinicus
 Birch (*Betula platyphylla*)
 Calendula officinalis
 Chamomilla
 Comfrey (*Symphytum*)
 Cork tree (*Phellodendron amurense*)
 Curcuma longa
 Elder (*Sambucus sieboldiana*)
 Eucalyptus
 Geranium thunbergii
 Ginkgo
 Hawthorn (*Crataegus cuneata*)
 Licorice (*Glycyrrhiza glabra*)
 Melissa
 Mucuna birdwoodiana
 Parsley (*Petroselinum crispum*)
 Perilla frutescens
 Polygonum bistorta
 Potentilla
 Rose (*Rosa rugosa*)
 Sage (*Salvia officinalis*)
 Sapindus mukorossi
 Saxifraga stolonifera
 Scutellaria baicalensis
 St.-John's-wort (*Hypericum erectum*)
 Stevia
 Tea (*Camellia sinensis*)
 Watercress
 (exts.; antiaging cosmetics containing tomato pigments
 mainly comprising lycopene complexes and other active ingredients)
- IT Rice (*Oryza sativa*)

- (fermented products, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Honeysuckle (*Lonicera japonica*)
(flower bud, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Jujube (*Zizyphus*)
(fruit, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Rose (*Rosa*)
(fruit, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Momordica grosvenori
(fruit, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Wheat
(germ, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Lactoferrins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hydrolyzates, cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Squid
(ink, exts., cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Honey
(moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Cosmetics
(moisturizers; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Cattail (*Typha*)
(pollen, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Sugarcane
(raw sugar from, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Mulberry (*Morus alba*)
(root bark, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Acanthopanax
Lycium chinense
(root bark, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Angelica acutiloba
Lithospermum

- (root, exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Ceratonia siliqua
(seed, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Proteins, specific or class
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(silk, cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT Lily (Lilium)
(white, exts., moisturizer; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 87-28-5, Ethylene glycol salicylate 94-09-7, Ethyl p-aminobenzoate 104-28-9 104-98-3, Urocanic acid 118-56-9, Homomenthyl salicylate 118-60-5, 2-Ethylhexyl salicylate 131-55-5, 2,2',4,4'-Tetrahydroxybenzophenone 131-56-6, 2,4-Dihydroxybenzophenone 131-57-7, 2-Hydroxy-4-methoxybenzophenone 136-44-7, Glyceryl p-aminobenzoate 150-13-0, p-Aminobenzoic acid 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole 3121-60-6 5466-77-3 13463-67-7, Titania, biological studies 14779-78-3, Amyl N,N-dimethyl-p-aminobenzoate 21245-02-3 27538-35-8, Ethyl urocanate 70356-09-1, 4-tert-Butyl-4'-methoxydibenzoylmethane 76840-16-9, Glyceryl mono-2-ethylhexanoate di-p-methoxycinnamate 86636-96-6, Potassium 4-methoxycinnamate 288571-71-1 288573-50-2 288573-51-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(UV shield; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 57-88-5, Cholesterol, biological studies 69-65-8, Mannitol 70-18-8, Glutathione, biological studies 71-00-1, Histidine, biological studies 73-22-3, Tryptophan, biological studies 117-39-5, Quercetin 131-54-4, 2,2'-Dihydroxy-4,4'-dimethoxybenzophenone 149-91-7, Gallic acid, biological studies 153-18-4, Rutin 154-23-4, Catechin 472-61-7, Astaxanthin 522-12-3, Quercitrin 635-65-4, Bilirubin, biological studies 9054-89-1, Superoxide dismutase
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(active oxygen scavenger; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 502-65-8D, Lycopene, complexes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 59-81-7, Vitamin C, biological studies
59-43-8, biological studies 1406-16-2, Vitamin D 1406-18-4, Vitamin E 11103-57-4, Vitamin A 30587-81-6, Dibutylhydroxytoluene 82321-68-4, Dibutylhydroxyanisole
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(antioxidant; antiaging cosmetics containing tomato

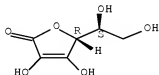
- pigments mainly comprising lycopene complexes and other active ingredients)
- IT 50-21-5, biological studies 50-28-2, Estradiol, biological studies 50-70-4, Sorbitol, biological studies 50-99-7, Glucose, biological studies 51-35-4, Hydroxyproline 52-90-4, Cysteine, biological studies 56-40-6, Glycine, biological studies 56-41-7, L-Alanine, biological studies 56-45-1, Serine, biological studies 56-65-5, Adenosine triphosphate, biological studies 56-84-8, Aspartic acid, biological studies 56-85-9, Glutamine, biological studies 56-86-0, Glutamic acid, biological studies 56-87-1, Lysine, biological studies 56-89-3, Cystine, biological studies 57-13-6, Urea, biological studies 57-48-7, Fructose, biological studies 57-50-1, biological studies 58-08-2, Caffeine, biological studies 58-55-9, Theophylline, biological studies 58-86-6, Xylose, biological studies 60-18-4, Tyrosine, biological studies 60-92-4 61-19-8, Adenosine monophosphate, biological studies 63-68-3, Methionine, biological studies 63-91-2, Phenylalanine, biological studies 65-71-4, Thymine 69-72-7, biological studies 69-79-4, Maltose 69-89-6, Xanthine 70-26-8, Ornithine 70-47-3, Asparagine, biological studies 71-30-7, Cytosine 72-18-4, Valine, biological studies 72-19-5, Threonine, biological studies 73-24-5, Adenine, biological studies 73-32-5, Isoleucine, biological studies 73-40-5, Guanine 74-79-3, Arginine, biological studies 77-92-9, biological studies 79-14-1, biological studies 81-13-0, D-Panthenol 87-69-4, biological studies 87-89-8, Inositol 87-99-0, Xylitol 98-79-3, Pyrrolidonecarboxylic acid 99-20-7, Trehalose 110-15-6, Butanedioic acid, biological studies 115-77-5, biological studies 146-14-5, Flavin adenine dinucleotide 147-85-3, Proline, biological studies 149-32-6, Erythritol 372-75-8, Citrulline 463-40-1, α -Linolenic acid 481-49-2, Cepharanthine 499-44-5, Hinokitiol 506-26-3, γ -Linolenic acid 585-88-6, Maltitol 1190-94-9, Hydroxylysine 3081-61-6, Theanine 6915-15-7 7665-99-8, Cyclic GMP 7678-95-7 9004-53-9, Dextrin 9004-61-9, Hyaluronic acid 9005-49-6, Heparin, biological studies 9007-28-7, Chondroitin sulfate 9050-30-0, Heparan sulfate 9056-36-4, Keratan sulfate 24967-94-0, Dermatan sulfate 25378-27-2, Eicosapentaenoic acid
- RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
- (cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 11129-18-3, Cerium oxide
- RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
- (exts.; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 50-33-9, Phenylbutazone, biological studies 53-86-1, Indomethacin 60-32-2 61-68-7, Mefenamic acid 97-59-6, Allantoin 471-53-4, Glycyrrhetic acid 489-84-9, Guaiazulene 1197-18-8, Tranexamic acid 1405-86-3, Glycyrrhizinic acid 15307-79-6, Diclofenac sodium 15687-27-1, Ibuprofen 22071-15-4, Ketoprofen
- RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
- (inflammation inhibitor; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)
- IT 50-81-7, Vitamin C, biological studies
- RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
- (antioxidant; antiaging cosmetics containing tomato

pigments mainly comprising lycopene complexes and other active ingredients)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



IT 50-92-4 61-19-8, Adenosine

monophosphate, biological studies

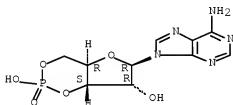
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cell activator; antiaging cosmetics containing tomato pigments mainly comprising lycopene complexes and other active ingredients)

RN 60-92-4 CAPLUS

CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

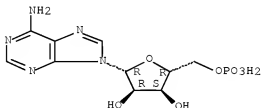
Absolute stereochemistry.



RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:41974 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 128:106245

ORIGINAL REFERENCE NO.: 128:20735a, 20738a

TITLE: Skin-lightening and antiaging cosmetics

Jody Karol 10/523,605

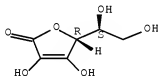
INVENTOR(S): Seiki, Hitoshi; Okano, Yuri
 PATENT ASSIGNEE(S): NOEVIR Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 10007541	A	19980113	JP 1996-181321	19960620
PRIORITY APPLN. INFO.:				JP 1996-181321	19960620
ED	Entered STN: 24 Jan 1998				
AB	Skin-lightening and antiaging cosmetics comprise: (A) lipoic acid and (B) compds. selected from vitamin A or its derivs., carotenes, riboflavin or its derivs., vitamin B6 or its salts or derivs., cobalamins, vitamin C or its salts or derivs., vitamin E or its derivs., vitamin K, adenosine or its derivs., flavonoids and tannins, in addition to other ingredients.				
IC	ICM A61K007-48 ICS A61K007-00				
CC	62-4 (Essential Oils and Cosmetics)				
ST	skin lightening antiaging cosmetic vitamin; adenosine flavonoid skin lightening antiaging cosmetic; tannin skin lightening antiaging cosmetic				
IT	Cosmetics RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (antiaging; skin-lightening and antiaging cosmetics)				
IT	Carotenes, biological studies Corrinoids Flavonoids Tannins RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (skin-lightening and antiaging cosmetics)				
IT	Cosmetics RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (skin-lightening; skin-lightening and antiaging cosmetics)				
IT	Cosmetics RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (wrinkle-preventing; skin-lightening and antiaging cosmetics)				
IT	50-81-7, Vitamin C, biological studies 56-65-5, ATP, biological studies 58-64-0, ADP, biological studies 59-02-9, α -Tocopherol 61-19-8, AMP, biological studies 65-23-6, Pyridoxine 66-72-8, Pyridoxal 68-19-9, Cyanocobalamine 68-26-8, Retinol 79-80-1, 3-DehydroRetinol 83-88-5, Riboflavin, biological studies 85-87-0, Pyridoxamine 116-31-4, Retinal 119-13-1, δ -Tocopherol 120-80-9, 1,2-Benzenediol, biological studies 148-03-8, β -Tocopherol 302-79-4, Retinoic acid 432-70-2, α -Carotene 462-20-4, Dihydrolipoic acid 472-87-7, 3-DehydroRetinal 472-93-5, γ -Carotene 490-46-0, EpiCatechin 490-83-5 1406-18-4, Vitamin E 3884-47-7, Dihydrolipoamide 4159-20-0,				

Jody Karol 10/523,605

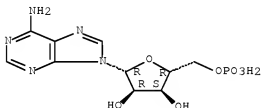
3-DehydroRetinoic acid 7235-40-7, β -Carotene 7616-22-0,
 γ -Tocopherol 8059-24-3, Vitamin B6 11103-57-4, Vitamin A
 12001-79-5, Vitamin K 13422-51-0, Hydroxycobalamine 13422-55-4,
 Methylcobalamine 125913-31-7, Ascorbic acid phosphate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (skin-lightening and antiaging cosmetics)
 IT 50-81-7, Vitamin C, biological studies
 61-19-8, AMP, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (skin-lightening and antiaging cosmetics)
 RN 50-81-7 CAPLUS
 CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



RN 61-19-8 CAPLUS
 CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1997:731707 CAPLUS Full-text
 DOCUMENT NUMBER: 128:16289
 ORIGINAL REFERENCE NO.: 128:3091a,3094a
 TITLE: Compositions for external use
 INVENTOR(S): Kondo, Chiharu; Senoo, Masami
 PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09291011	A	19971111	JP 1996-127955	19960424
PRIORITY APPLN. INFO.:			JP 1996-127955	19960424

ED Entered STN: 20 Nov 1997

AB Compsn. [cosmetics or topical prepsn.] for external use comprise: (A) apple exts. and (B) tyrosinase inhibitors, active oxygen scavengers, antioxidants, cell activators, antiinflammatories and/or moisturizers. A skin-care and antiaging lotion contained glycerin 5.0, 1,3-butylene glycol 6.5, POE sorbitan monolaurate 1.2, ethanol 8.0, apple exts. 0.01, superoxide dismutase 0.01, preservatives, perfumes, and purified water to 100 %.

IC ICM A61K007-00

ICS A61K007-00; A61K007-42; A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST skin cosmetic apple ext tyrosinase inhibitor; active oxygen scavenger apple ext cosmetic; antioxidant apple ext cosmetic; cell activator apple ext cosmetic; antiinflammatory moisturizer apple ext cosmetic

IT Animal cell
(activators; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(antiaging; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(cleansing; skin-care cosmetics containing apple exts. and other substances)

IT Hair preparations
(conditioners, tonics; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(creams; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(emulsions; skin-care cosmetics containing apple exts. and other substances)

IT Apple
(exts.; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(gels; skin-care cosmetics containing apple exts. and other substances)

IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(lotions; skin-care cosmetics containing apple exts. and other substances)

IT Plant (Embryophyta)
(medicinal, exts.; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(moisturizers; skin-care cosmetics containing apple exts. and other substances)

IT Drug delivery systems
(ointments; skin-care cosmetics containing apple exts. and other substances)

IT Cosmetics
(packs; skin-care cosmetics containing apple exts. and other substances)

IT Anti-inflammatory agents

Antioxidants

Cosmetics

(skin-care cosmetics containing apple exts. and other substances)

IT Carotenes, biological studies

Collagens, biological studies

DNA

Elastins

Mucopolysaccharides, biological studies

Proteins, general, biological studies

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(skin-care cosmetics containing apple exts. and other substances)

IT Drug delivery systems

(topical; skin-care cosmetics containing apple exts. and other substances)

IT 7782-44-7, Oxygen, biological studies

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(active, scavengers; skin-care cosmetics containing apple exts. and other substances)

IT 9002-10-2, Tyrosinase

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(inhibitors; skin-care cosmetics containing apple exts. and other substances)

IT 50-28-2, Estradiol, biological studies 50-33-9, Phenylbutazone, biological studies 50-70-4, Sorbitol, biological studies 50-81-7, Vitamin c, biological studies 52-90-4D, Cysteine, derivs. 53-86-1, Indomethacin 56-65-5, Atp, biological studies 57-13-6, Urea, biological studies 57-88-5, Cholesterol, biological studies 60-32-2, ϵ -Aminocaproic acid 61-19-8, Amp, biological studies 61-68-7, Mefenamic acid 69-65-8, Mannitol 69-72-7, Salicylic acid, biological studies 69-89-6, Xanthine 70-18-8, Glutathione, biological studies 71-00-1, Histidine, biological studies 73-22-3, Tryptophan, biological studies 73-40-5, Guanine 79-14-1, Glycolic acid, biological studies 87-89-8, myo-Inositol 97-59-6, Allantoin 98-79-3, Pyrrolidonecarboxylic acid 99-20-7 110-15-6, Butanedioic acid, biological studies 117-39-5, Quercetin 120-80-9, 1,2-Benzenediol, biological studies 123-31-9, Hydroquinone, biological studies 128-37-0, Bht, biological studies 149-91-7, Gallic acid, biological studies 463-40-1 471-53-4, Glycyrrhetic acid 489-84-9, Guaiazulene 499-44-5, Hinokitiol 506-26-3, γ -Linolenic acid 522-12-3, Quercitrin 635-65-4, Bilirubin, biological studies 1314-13-2, Zinc oxide, biological studies 1406-16-2, Vitamin d 1406-18-4, Vitamin e 7235-40-7, β -Carotene 9004-61-9, Hyaluronic acid 9005-49-6, Heparin, biological studies 9007-28-7, Chondroitin sulfate 9050-30-0, Heparan sulfate 9054-89-1, Superoxide dismutase 9056-36-4, Keratan sulfate 10417-94-4, Eicosapentaenoic acid 11103-57-4, Vitamin a 12001-76-2, Vitamin b 15307-79-6, Diclofenac sodium salt 15687-27-1, Ibuprofen 22071-15-4, Ketoprofen 24967-94-0, Dermatan sulfate 25013-16-5, Bha 103000-77-7, Glycyrrhetic acid 169799-44-4, Keratin

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(skin-care cosmetics containing apple exts. and other substances)

IT 50-81-7, Vitamin c, biological studies

61-19-8, Amp, biological studies

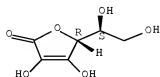
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(skin-care cosmetics containing apple exts. and other substances)

RN 50-81-7 CAPLUS

CN L-Ascorbic acid (CA INDEX NAME)

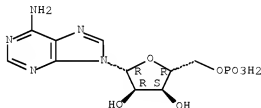
Absolute stereochemistry.



RN 61-19-8 CAPLUS

CN 5'-Adenylic acid (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1994:517347 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 121:117347

ORIGINAL REFERENCE NO.: 121:21021a,21024a

TITLE: Anti-aging cosmetics
containing plant extracts and skin-whitening agents

INVENTOR(S): Iwanaga, Atsufumi

PATENT ASSIGNEE(S): Sansei Seiyaku Kk, Japan

SOURCE: Jpn. Kokai Tokyo Koho, 27 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06048934	A	19940222	JP 1993-78368	19930405
JP 3818674	B2	20060906		

PRIORITY APPLN. INFO.: JP 1992-141571 A1 19920602

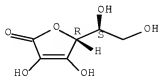
ED Entered STN: 03 Sep 1994

AB A skin preparation comprises (1) an extract of pepper, dill, anise, tarragon, and/or Cistanche, (2) a color-lightening agent selected from kojic acid, ascorbic acid, hydroquinone, liquiritin, and placental extract, and/or (3) a collagen production enhancing agent selected from sage extract, Mg salt of ascorbic acid ester with phosphoric acid, adenosine-3',5'-cyclic monophosphate, guanosine-3',5'-cyclic monophosphate, γ -aminobutyric acid, and retinoic acid. For example, a cream contained PEG monostearate 2.0, self-emulsifying glyceryl monostearate 5.0, stearic acid 5.0, behenyl alc.

Jody Karol 10/523.605

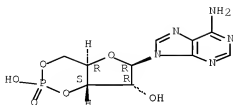
- 1.0, liquid paraffin 10.0, glyceryl trioctanoate 10.0, kojic acid 1.0, dill extract 0.1, glycerin 5.0, ethylparaben 0.1, and distilled water to 100.0%.
- IC ICM A61K007-48
ICS A61K007-00; A61K035-78; A61K037-02
- CC 52-3 (Essential Oils and Cosmetics)
- ST antiaging cosmetic plant ext collagen promotor; cream
antiaging dill ext kojic acid; skin lightening
antiaging cosmetic plant ext
- IT Placental hormones
RL: BIOL (Biological study)
(anti-aging cosmetics containing plant extract
and and collagen production promoting agent and)
- IT Sage
(extract, anti-aging cosmetics containing plant
exts. and skin-lightening agent and)
- IT Anise
Capsicum
Cistanche
Dill
Tarragon
(extract, anti-aging cosmetics containing skin-
lightening agent and collagen production promoting agent and)
- IT Collagens, biological studies
RL: BIOL (Biological study)
(production promoting agents for, anti-aging
cosmetics containing plant exts. and skin-lightening
agent and)
- IT Cosmetics
(antiaging, plant exts. and skin-lightening agent
and collagen production promoting agents in)
- IT 50-81-7, Ascorbic acid, biological studies 56-12-2,
γ-Aminobutyric acid, biological studies 60-92-4,
Adenosine-3',5'-cyclicmonophosphate 123-31-9,
Hydroquinone, biological studies 302-79-4, Retinoic acid 501-30-4,
Kojic acid 551-15-5, Liquiritin 7665-99-8, Guanosine-3',5'-cyclic
monophosphate 119588-63-5
RL: BIOL (Biological study)
(anti-aging cosmetics containing plant extract
and)
- IT 50-81-7, Ascorbic acid, biological studies
60-92-4, Adenosine-3',5'-cyclicmonophosphate
RL: BIOL (Biological study)
(anti-aging cosmetics containing plant extract
and)
- RN 50-81-7 CAPLUS
- CN L-Ascorbic acid (CA INDEX NAME)

Absolute stereochemistry.



- RN 60-92-4 CAPLUS
- CN Adenosine, cyclic 3',5'-(hydrogen phosphate) (CA INDEX NAME)

Absolute stereochemistry.



L64 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1994:450116 CAPLUS Full-text
 DOCUMENT NUMBER: 121:50116
 ORIGINAL REFERENCE NO.: 121:8823a,8826a
 TITLE: Pharmaceutical compositions for treatment of
 skin pigmentation
 INVENTOR(S): Takemura, Tsukasa
 PATENT ASSIGNEE(S): Meiji Seika Co, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06080564	A	19940322	JP 1992-235535	19920903
PRIORITY APPLN. INFO.:			JP 1992-235535	19920903
ED Entered STN: 06 Aug 1994				
AB Chloasma-controlling compns. contain tranexamic acid (I), vitamin C, and vitamin B2 derivs., vitamin B6 derivs., and/or their salts as active ingredients. I 1500, vitamin C 600, FAD 130-145, and pyridoxal phosphate 60-90 mg/day were administered to patients with chloasma for ≤34 wk to show good clin. efficacy without adverse effects, vs. poor efficacy when administered without FAD or pyridoxal phosphate.				
IC ICM A61K031-195				
ICS A61K007-00; A61K031-375; A61K031-44; A61K031-525				
ICA A61K007-48				
CC 1-12 (Pharmacology)				
IT Skin, disease				
(melasma, treatment of, tranexamate and vitamins for)				
IT 50-81-7D, Vitamin C, mixts. with tranexamate 83-88-5D, Vitamin B2, derivs., mixts. with tranexamate and vitamin C 1197-18-8D, Tranexamic acid, mixts. with vitamins 8059-24-3D, Vitamin B6, derivs., mixts. with tranexamate and vitamin C 156277-96-2				
RL: BIOL (Biological study)				
(for chloasma treatment)				
IT 156277-96-2				
RL: BIOL (Biological study)				
(for chloasma treatment)				
RN 156277-96-2 CAPLUS				
CN L-Ascorbic acid, mixt. with trans-4-(aminomethyl)cyclohexanecarboxylic acid, 3-hydroxy-2-methyl-5-[(phosphonoxy)methyl]-4-pyridinecarboxaldehyde and riboflavin 5'-(trihydrogen diphosphate) P'→5'-ester with				

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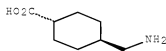
adenosine (9CI) (CA INDEX NAME)

CM 1

CRN 1197-18-8

CMF C8 H15 N O2

Relative stereochemistry.

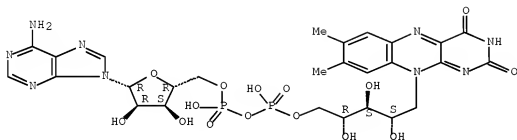


CM 2

CRN 146-14-5

CMF C27 H33 N9 O15 P2

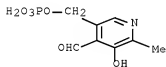
Absolute stereochemistry.



CM 3

CRN 54-47-7

CMF C8 H10 N O6 P

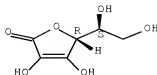


CM 4

CRN 50-81-7

CMF C6 H8 O6

Absolute stereochemistry.



L53 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:847032 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:165424

TITLE: Childhood malnutrition is associated with a reduction in the total melanin content of scalp hair

AUTHOR(S): McKenzie, Colin A.; Wakamatsu, Kazumasa;

Hanchard, Neil A.; Forrester, Terrence; Ito, Shosuke

CORPORATE SOURCE: Tropical Metabolism Research Unit, Tropical Medicine Research Institute, University of the West Indies, Mona, Jamaica

SOURCE: British Journal of Nutrition (2007), 98(1), 159-164
CODEN: BJNUAV; ISSN: 0007-1145

PUBLISHER: Cambridge University Press

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 03 Aug 2007

AB Childhood malnutrition is associated with visible lightening of hair color (hypochromotrichia), but no systematic study has examined the biochem. basis of this change. We used HPLC to measure melanins in the scalp hair of 13 Jamaican children with primary malnutrition during various stages of their treatment and after recovery. During treatment for malnutrition, a progressive decrease in the total melanin content along the hair shaft from tip to root (root/tip ratio 0.62 ± 0.31) was observed. This ratio was different from the ratio determined several months after discharge from hospital (0.93 ± 0.23) and in normal controls (0.97 ± 0.12). Thus, a decrease in melanin content is associated with periods of malnutrition. The low root/tip ratio during malnutrition presumably arises because the tips reflect prior hair growth during 'normal' nutrition and the roots reflect hair growth during malnutrition; the return of the root/tip ratio to control levels reflects 'recovery' from malnutrition. Decreased dietary intake or availability of tyrosine, a key substrate in melanin biosynthesis, may play a role in the decreased hair melanin content during malnutrition. The precise mechanisms by which melanin content is decreased and the role of aromatic amino acid availability in hair color change and other features of childhood malnutrition remain to be further explored.

CC 18-7 (Animal Nutrition)
Section cross-reference(s): 14

ST child malnutrition hair color lightening melanin content

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:656036 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 145:109781

TITLE: Solid oil-in-water emulsions containing biologically active electrolytes

INVENTOR(S): Shinohara, Shigeo; Harano, Fumiki;

Tsujimoto, Shinji; Saeki, Isamu

Jody Karol 10/523.605

PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006070789	A1	20060706	WO 2005-JP23865	20051227
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
JP 2006182746	A	20060713	JP 2004-381162	20041228
AU 2005320616	A1	20060706	AU 2005-320616	20051227
CA 2590928	A1	20060706	CA 2005-2590928	20051227
EP 1842522	A1	20071010	EP 2005-822499	20051227
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 101094645	A	20071226	CN 2005-80045327	20051227
IN 2007DN04618	A	20070817	IN 2007-DN4618	20070615
US 20070280979	A1	20071206	US 2007-722965	20070627
KR 2007095305	A	20070928	KR 2007-714814	20070628
PRIORITY APPLN. INFO.:			JP 2004-381162	A 20041228
			WO 2005-JP23865	W 20051227

ED Entered STN: 07 Jul 2006

AB Disclosed is a solid composition consisting of an oil-in-water emulsion that has satisfactory hardness, ensuring excellent feeling upon use and is capable of satisfactory expression of the physiol. functions of electrolytes. The solid composition can be obtained by preparing an oil-in-water emulsion through combining together of solid oils, liquid oils, surfactants, polyhydric alcs., electrolytes, and water. For example, lipsticks contained paraffin oil 13.5, 2-hexyldecyl isostearate 13, methylpolysiloxane 0.5, candelilla wax 13.5, hydrogenated jojoba oil 8, lipophilic glycerin monostearate 3, stearyl glycerylrrhetinate 0.1, ethoxylated hydrogenated castor oil 0.5, maltitol hydroxyalkyl ether 3, decaglyceryl monostearate 1, sodium N-stearoyl-L-glutamate 0.5, glycerin 16, 1,3-butylene glycol 6, ascorbic acid 2-glucoside 2, disodium AMP 3, and distilled water balance to 100 %.

CC 62-4 (Essential Oils and Cosmetics)

IT 50-81-7, L-Ascorbic acid, biological studies 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 58-64-0, Adenosine 5'-(trihydrogen diphosphate), biological studies 60-92-4, Adenosine-3',5'-cyclic phosphate 61-19-8, 5'-Adenylic acid, biological studies 107-88-0, 1,3-Butylene glycol 111-01-3, Squalane 4578-21-8, Disodium adenylate 13832-70-7, Stearyl glycerylrrhetinate 25265-71-8, Dipropylene glycol 31566-31-1, Glycerin monostearate 37318-31-3, Sucrose stearate 38079-62-8, Sodium N-stearoyl-L-glutamate 59113-36-9, Diglycerin 59130-69-7, Cetyl 2-ethylhexanoate 69247-84-3, 2-Hexyldecyl isostearate 79777-30-3, Decaglyceryl monostearate 129499-78-1, L-Ascorbic acid

2-glucoside

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(solid oil-in-water emulsions comprising oils and surfactants and polyhydric alcs. and electrolytes)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:720152 CAPLUS Full-text

DOCUMENT NUMBER: 141:230324

TITLE: Plant extracts as enzyme inhibitors, and cosmetics, foods, or beverages containing them

INVENTOR(S): Kawai, Norihisa; Wakamatsu, Kanae

PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 57 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004244382	A	20040902	JP 2003-36795	20030214
PRIORITY APPLN. INFO.:			JP 2003-36795	20030214

ED Entered STN: 03 Sep 2004

AB Elastase inhibitors, collagenase inhibitors, or hyaluronidase inhibitors, useful for conditioning of skin and hair, contain exts. of plants selected from Agave americana, A. sisalana, and Adenophora triphylla japonica. Dried Agave americana (100 g) was immersed in 50% 1,3-butylen glycol solution at room temperature for 5 days to give an extract having inhibitory activity against elastase, collagenase, and hyaluronidase. The extract showed LD50 of ≥2000 mg/kg p.o. in mice. Formulation examples of cosmetics, hair compns., bath preps., dentifrices, dishwashing detergents, foods, and beverages are given.

IC ICM A61K007-48

ICS A23L001-30; A61K007-00; C12N009-99

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 17, 46, 63

IT Cosmetics

(antiaging; plant exts. as enzyme inhibitors, and cosmetics, foods, or beverages containing them)

L53 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:818240 CAPLUS Full-text

DOCUMENT NUMBER: 139:296572

TITLE: Composition containing purine or pyrimidine nucleic acid-related substances for promoting cell proliferation

INVENTOR(S): Kawamura, Mitsuaki; Shinozawa, Shigeo

PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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Jody Karol 10/523.605

WO 2003084485 A1 20031016 WO 2003-JP4247 20030403
W: AU, BR, CA, CN, ID, IN, JP, KR, PH, US
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IT, LU, MC, NL, PT, SE, SI, SK, TR
CA 2480080 A1 20031016 CA 2003-2480080 20030403
AU 2003220857 A1 20031020 AU 2003-220857 20030403
EP 1498101 A1 20050119 EP 2003-715748 20030403
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK
BR 2003009127 A 20050201 BR 2003-9127 20030403
CN 1646078 A 20050727 CN 2003-808030 20030403
TW 260225 B 20060821 TW 2003-92108012 20030408
IN 2004DN02911 A 20070525 IN 2004-DN2911 20040928
US 20050222076 A1 20051006 US 2004-510738 20041012
JP 2002-106300 A 20020409
WO 2003-JP4247 W 20030403
PRIORITY APPLN. INFO.:

ED Entered STN: 17 Oct 2003

AB It is intended to provide a method of effectively exerting the cell proliferation promoting effect of a purine nucleic acid-related substance. Namely, disclosed are a composition for cell proliferation characterized by containing a purine nucleic acid-related substance and a pyrimidine nucleic acid-related substance; a method of potentiating the cell proliferation promoting effect of a purine nucleic acid-related substance characterized by using a combination of the purine nucleic acid-related substance with a pyrimidine nucleic acid-related substance; and a method of promoting cell proliferation characterized by using a combination of a purine nucleic acid-related substance with a pyrimidine nucleic acid-related substance and applying the same to the skin or mucosa. The effect of adenosine monophosphate disodium salt in combination with uridine monophosphate disodium salt on cultured human keratinocyte proliferation was examined. A cosmetic lotion containing adenosine monophosphate disodium salt 3, uridine monophosphate disodium salt 0.1, polyoxyethylene hydrogenated castor oil 0.7, ethanol 5, glycerin 2, preservative 0.2, fragrance/pH adjuster q.s., and water balance to 100 % was formulated.

IC ICM A61K007-00
ICS A61K007-04; A61K007-06; A61K007-48; A61K031-7072; A61K031-7076;
A61P017-02; A61P043-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Cosmetics

(antiaging; composition containing purine an pyrimidine nucleic acid-related substances for promoting cell proliferation)

IT Cosmetics

(skin-lightening; composition containing purine an pyrimidine nucleic acid-related substances for promoting cell proliferation)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2003:508481 CAPLUS Full-text

DOCUMENT NUMBER: 139:57664

TITLE: Elastase inhibitor containing Potentilla tormentilla, Juniperus, and/or Astragalus sinicus extracts

INVENTOR(S): Kojima, Hiroyuki; Doi, Masako; Wakamatsu, Kanae

PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 30 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2003183171	A	20030703	JP 2001-390145	20011221
PRIORITY APPLN. INFO.:				JP 2001-390145	20011221
ED	Entered STN: 03 Jul 2003				
AB	The invention relates to an elastase inhibitor suitable for use in an anti-aging cosmetic composition, wherein the elastase inhibitor contains Potentilla tormentilla, Juniperus, and/or Astragalus sinicus extract. An extract of Potentilla tormentilla was prepared, and combined at 5 % with other ingredients to obtain a milky lotion.				
IC	ICM A61K035-78				
	ICS A61K007-00; A61K007-035; A61K007-06; A61K007-075; A61K007-16; A61K007-42; A61K007-48; A61K007-50; A61P043-00				
CC	62-4 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 46, 63				
IT	Cosmetics (antiaging; elastase inhibitor containing Potentilla tormentilla, Juniperus, and/or Astragalus sinicus exts.)				

L53 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN
 ACCESSION NUMBER: 2003:366770 CAPLUS Full-text
 DOCUMENT NUMBER: 138:358201
 TITLE: Hyaluronidase inhibitors containing Cyperus rotundus extracts and their uses for cosmetics and foods
 INVENTOR(S): Wakamatsu, Kanae; Tsuda, Tomoka
 PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2003137726	A	20030514	JP 2001-334070	20011031
PRIORITY APPLN. INFO.:				JP 2001-334070	20011031
ED	Entered STN: 14 May 2003				
AB	Hyaluronidase inhibitors containing C. rotundus exts. and cosmetics and foods containing the inhibitors are claimed. The inhibitors suppress degradation of hyaluronic acid in connective tissues, thus preventing wrinkles, sags, and skin inflammation. Application of a cosmetic emulsion containing C. rotundus extract (preparation given) to face increased elasticity of skin and reduced degree of wrinkles and sags. Effect of miso soup containing the extract on eczema, pruritus, and rough skin was also shown.				
IC	ICM A61K007-00				
	ICS A23L001-30; A61K007-06; A61K007-08; A61K007-26; A61K007-48; A61K007-50; A61K035-78; A61P017-16; A61P043-00; C12N009-99				
CC	62-4 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 7, 17, 63				
ST	Cyperus ext hyaluronidase inhibitor antiaging cosmetic food;				
	skin trouble treatment food Cyperus ext hyaluronidase inhibitor				
IT	Cosmetics (antiaging; cosmetics and foods containing Cyperus rotundus exts. as hyaluronidase inhibitors for treatment of wrinkle, inflammatory skin troubles such as eczema, pruritus, and rough skin)				

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L53 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN
 ACCESSION NUMBER: 2003:349205 CAPLUS Full-text
 DOCUMENT NUMBER: 138:343488
 TITLE: Skin antiaging agents and cosmetic compositions containing Oenothera polyphenols
 INVENTOR(S): Hori, Michimasa; Wakamatsu, Kanae; Yoshida, Masatake; Kodaira, Takeshi
 PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan; Shin Nippon Yakugyo Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2003128511	A	20030508	JP 2001-320158	20011018
PRIORITY APPLN. INFO.:				JP 2001-320158	20011018
ED	Entered STN: 08 May 2003				
AB	The agents, which prevent denaturation of collagen, elastin, and hyaluronic acid for prevention and treatment of wrinkles and sagging, contain polyphenols of <i>O. biennis</i> . A cosmetic emulsion was prepared from squalane 5.0, olive oil 5.0, jojoba oil 5.0, cetyl alc. 1.5, glycerin monostearate 2.0, polyoxyethylene cetyl ether 3.0, polyoxyethylene sorbitan monooleate 2.0, 1,3-butylene glycol 1.0, glycerin 2.0, butylene glycol extract of <i>O. biennis</i> 5.0, antiseptic, perfume, and H ₂ O to 100 weight%.				
IC	ICM A61K007-00				
	ICS A61K007-021; A61K007-06; A61K007-075; A61K007-08; A61K007-11; A61K007-16; A61K007-42; A61K007-48; A61K007-50				
CC	62-4 (Essential Oils and Cosmetics)				
ST	cosmetic skin antiaging agent polyphenol <i>Oenothera</i>				
IT	Cosmetics (antiaging; skin antiaging agents containing polyphenols of <i>Oenothera biennis</i>)				
IT	Detergents (dishwashing; skin antiaging agents containing polyphenols of <i>Oenothera biennis</i>)				
IT	Medical goods (dressings; skin antiaging agents containing polyphenols of <i>Oenothera biennis</i>)				
IT	Phenols, biological studies RL: BSU (Biological study, unclassified); COS (Cosmetic use); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation); USES (Uses) (polyphenols, nonpolymeric; skin antiaging agents containing polyphenols of <i>Oenothera biennis</i>)				
IT	Bath preparations Hair preparations Human <i>Oenothera biennis</i> Shampoos Sunscreens (skin antiaging agents containing polyphenols of <i>Oenothera biennis</i>)				

L53 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN
 ACCESSION NUMBER: 2003:257780 CAPLUS Full-text
 DOCUMENT NUMBER: 138:275991

Jody Karol 10/523,605

TITLE: Cosmetic or food compositions containing protein hydrolyzates
 INVENTOR(S): Nishibe, Yukinobu; Wakamatsu, Kanae; Nanami, Yoshihiko
 PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2003095913	A	20030403	JP 2001-289204	20010921
PRIORITY APPLN. INFO.:			JP 2001-289204	20010921

ED Entered STN: 03 Apr 2003

AB The invention relates to a skin moisturizer, skin antiaging, antiinflammatory composition suitable for use in a cosmetic or a food, wherein the composition is characterized by containing silk, keratin, and/or collagen protein hydrolyzate. The composition may further contain Rabdosis, hypericum, Salvia officinalis, Tilia, and/or Momordica grosvenori extract A cosmetic emulsion containing silk protein hydrolyzate 3, Rabdosis extract 3%, and other ingredients and water q.s., to 100 % was formulated.

IC ICM A61K007-48

ICS A23L001-305; A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 17

IT Cosmetics

(antiaging; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Cosmetics

(cleansing; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Hair preparations

(conditioners; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Bakery products

(cookies; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Cosmetics

(creams; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Cosmetics

(emulsions; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)

IT Hypericum
 Momordica grosvenori
 Rabdosis
 Salvia officinalis

- Tilia
 - (exts.; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Cosmetics
 - (foundations; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Hair preparations
 - (growth stimulants; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Collagens, biological studies
 - Keratins
 - RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study); USES (Uses)
 - (hydrolyzates; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Cosmetics
 - (lotions; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Cosmetics
 - (moisturizers; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Cosmetics
 - (oil; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Cosmetics
 - (packs; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Meat
 - (sausage; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Protein hydrolyzates
 - RL: COS (Cosmetic use); FFD (Food or feed use); BIOL (Biological study); USES (Uses)
 - (silk; skin moisturizer, skin antiaging, antiinflammatory composition for cosmetic or food compns. containing protein hydrolyzates with/without of plant exts.)
- IT Anti-inflammatory agents
 - Bath preparations
 - Beverages
 - Bread
 - Chewing gum
 - Human
 - Pasta
 - Shampoos
 - Soups
 - Sunscreens
 - (skin moisturizer, skin antiaging, antiinflammatory composition

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for cosmetic or food compns. containing protein hydrolyzates with/without
of plant exts.)

L53 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:18909 CAPLUS Full-text

DOCUMENT NUMBER: 134:90898

TITLE: Skin and bath preparations containing extracts of
olive leaves

INVENTOR(S): Kawai, Tokuhisa; Tanaka, Kiyotaka; Wakamatsu,
Kanase

PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001002550	A	20010109	JP 1999-172306	19990618
PRIORITY APPLN. INFO.:			JP 1999-172306	19990618

ED Entered STN: 09 Jan 2001

AB This invention relates to melanin production inhibitors and active oxygen
removals comprising exts. of olive leaves. For example, olive leaves 100 g
was extracted with 1 kg 50 % 1,3-butylene glycol solution The obtained
solution after filtration was tested for in vitro melanin formation inhibitory
activities and SOD-like activities.

IC ICM A61K007-48

ICS A61K007-00; A61K007-50; A61K031-00; A61K035-78; A61K007-02;
A61K007-06; A61K007-075; A61K007-08; A61K007-42

CC 62-4 (Essential Oils and Cosmetics)

ST skin lightening cosmetic olive leaf ext; melanin formation
inhibitor olive ext

IT Cosmetics

(skin-lightening; cosmetics containing exts. of olive leaves for
inhibition of melanin production and for removal of active oxygen)

L53 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:328272 CAPLUS Full-text

DOCUMENT NUMBER: 124:352365

ORIGINAL REFERENCE NO.: 124:65241a,65244a

TITLE: Bath preparations or cosmetics containing extracts of
Rubus chingii fruits for prevention of skin allergy,
roughness and aging and atopic dermatitis

INVENTOR(S): Tomono, Norihiro; Kawagoe, Chikako; Nishibe, Yukinaga;
Wakamatsu, Kanase; Chikamatsu, Yoshihiro; Ando,
Hiroshi

PATENT ASSIGNEE(S): Ichimaru Pharcos Inc, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 08073342	A	19960319	JP 1994-238346	19940905
PRIORITY APPLN. INFO.:			JP 1994-238346	19940905

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ED Entered STN: 06 Jun 1996
AB Bath preps. or cosmetics for prevention of skin allergy, roughness and aging and atopic dermatitis comprise exts. of R. chingii fruits in addition to base materials. Thus, a bath preparation contained the exts. 10.0, sodium bicarbonate 45.0, sodium sulfate 40.0 weight%, perfumes, and colorants. The exts. also can be incorporated into hair preps. for dandruff control.
IC ICM A61K007-48
ICS A61K007-00; A61K007-02; A61K007-06; A61K007-075; A61K007-08;
A61K007-50; A61K035-78
CC 62-4 (Essential Oils and Cosmetics)
IT Cosmetics
(antiaging, bath preps. or cosmetics containing exts. of Rubus chingii fruits for prevention of skin allergy, roughness and aging and atopic dermatitis)

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